

## Peace through practical, proved civil defence for credible war deterrence

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Please see also post linked here, and our summary of the key points in Herman Kahn's much-abused call for credible deterrence, *On Thernuclear War*, linked here.

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Hiroshima's air raid shelters were unoccupied because Japanese Army officers were having breakfast when B29s were detected far away, says Yoshie Oka, the operator of the Hiroshima air raid sirens on 6 August 1945...

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In 1,881 burns cases in Hiroshima, only 17 (or 0.9 percent) were due to ignited clothing and 15 (or 0.7%) were due to the firestorm flames...

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Dr Harold L. Brode's new book, Nuclear Weapons in ...

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800 war migrants drowned on 22 April by EU policy:...

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Photographed fireball shielding by cloud cover in ...

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Nuclear weapons effects "firestorm" and "nuclear w...

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Proved 97.5% survival in completely demolished houses ...

"There has never been a war yet which, if the facts had been put calmly before the ordinary folk, could not have been prevented." - British Foreign Secretary Ernest Bevin, House of Commons Debate on Foreign Affairs, Hansard, 23 November 1945, column 786 (unfortunately secret Cabinet committees called "democracy" for propaganda purposes have not been quite so successful in preventing war). Protection is needed against collateral civilian damage and contamination in conventional, chemical and nuclear attack, with credible low yield clean nuclear deterrence against conventional warfare which, in reality (not science fiction) costs far more lives. Anti scientific media, who promulgate and exploit terrorism for profit, censor (1) vital, effective civil defense knowledge and (2) effective, safe, low yield air burst clean weapons like the Mk54 and W79 which deter conventional warfare and escalation, allowing arms negotiations from a position of strength. This helped end the Cold War in the 1980s. Opposing civil defense and nuclear weapons that really deter conventional war, is complacent and dangerous.

**War and coercion dangers have not stemmed from those who openly attack mainstream mistakes, but from those who camouflage themselves as freedom fighters to ban such free criticism itself, by making the key facts seem taboo, without even a proper debate, let alone financing research into unfashionable alternatives. Research and education in non-mainstream alternatives is needed before an unprejudiced debate, to establish all the basic facts for a real debate. “Wisdom itself cannot flourish, nor even truth be determined, without the give and take of debate and criticism.” – Robert Oppenheimer (quotation from the H-bomb TV debate hosted by Eleanor Roosevelt, 12 February 1950).**

**“Apologies for freedom? I can’t handle this! ... Deal from strength or get crushed every time ... Freedom demands liberty everywhere. I’m thinking, you see, it’s not so easy. But we have to stand up tall and answer freedom’s call!” – Freedom Kids**

## Archives

**Tuesday, May 23, 2017**

### **Jeremy Corbyn's nasty hate attacks on peace and support for terrorism exposed for all to read**

With another violent terrorist related bomb attack yesterday, this time in Manchester rather than Syria, Iraq or Afghanistan (where similar attacks occur regularly), it's worth re-examining the prospects for openly pro-terrorism movement supporter (but allegedly anti-violence) Jeremy Corbyn to become Prime Minister.



**True screen shot taken from a video of Corbyn in the article in Business Insider linked here, which explains:** "Labour party leader Jeremy Corbyn accepted up to £20,000 (about \$27,000) for appearances on the Iranian state broadcast network Press TV — a channel that was banned in the UK for its

part in filming the detention and torture of an Iranian journalist." We're all aware that Jeremy Corbyn has employed the son of a former BBC Director General and communist *Guardian* newspaper journalist and Stalinist-holocaust denier, Seumas Milne as his propaganda director. Milne began his career working for the Communist Party of Great Britain's *Straight Left*, and in his 16 February 2006 *Guardian* newspaper article, he denied Stalin's holocaust of 20,000,000-40,000,000 people due to 1930s collectivisation (3-6 times as many as Nazi 6,000,000 murders) by claiming that only the murders of political rebels recorded in the Soviet Archives should be remembered: **"the real records of repression now available from the Soviet archives are horrific enough (799,455 people were recorded as executed between 1921 and 1953 and the labour camp population reached 2.5 million at its peak) without engaging in an ideologically-fuelled inflation game"**. This is similar to David Irving's Jewish holocaust denial stunt, relying on incomplete official records and ignoring the hard facts of the holocaust established from the other records of population decrease.

The 1972 edition of *The Guinness Book of Records* on page 201 states that the 1936-8 purge (the Yezhovshchina) by the NKVD (later called the KGB) led to evidence in: "population statistics which show a deficiency of males from before the outbreak of the 1941-45 war" and explains that this source of data (which is so callously ignored altogether by Milne) gives 8,000,000-10,000,000 dead as a *probable minimum*, to which must be added the "forced labour" deaths (again omitted from all official records, but estimated from population data) of 19,000,000 murders. So Milne is just a nasty, callous holocaust denier, and on a far bigger scale than David Irving, because the true fascism of the 1939 joint invasion of Poland by the USSR and Nazis (which lasted until June 1941) is being abused for his own personal political prejudices, which Jeremy Corbyn buys into. Later editions of the *Guinness Book of Records* gave more detailed statistical estimate of Stalin's total murders of 40 million. Milne is not refuting the details of these estimates, just ignoring them altogether (holocaust denial). The 1990 book *The great terror: a reassessment* by the great Robert Conquest, who had originally exposed a glimpse of the scale of the Soviet holocaust in 1968, shows that in the early 1930s over 14 million innocent Soviet citizens were murdered and by early 1939, 5% of the entire population of the Soviet Union had been arrested, 8 million innocent people were in concentration camps and prisons, and 90% of those died (2 million had already died in Soviet camps and prisons in 1937-8, and 1 million had been shot). Milne ignores all of this evidence: Jeremy Corbyn thus employs a terrible holocaust denier.





5. Jeremy Corbyn claims he is anti-violence yet he [tolerated anti-semitism in the Labour party](#).

6. Jeremy Corbyn claims he is anti-violence yet he has been on the payroll of state-funded [Iranian media](#).

**17 May 1987 cutting from the *Sunday Express*'s front page showing how Jeremy Corbyn supported terrorists (full transcript below; note that the article has been misquoted in fake news by terrorism -friends of Corbyn):**



Express front page and story from May 1987

17 May 1987 *Sunday Express*, page 1:

#### **"MP hails IRA dead**

"A Labour MP stood in silence for a minute yesterday to honour the eight IRA gunmen shot dead in an SAS ambush nine days ago.

"Mr Jeremy Corbyn, 38, joined a 200-strong audience at London's Conway Hall in paying tribute to the terrorists shot as they bombed Loughall police station in County Armagh, Ulster.

"Mr Corbyn, MP for Islington North, attacked the government's Ulster policy and said troops should be pulled out of the Province.

"Then Mr Corbyn, MP for Islington North, attacked the Government's Ulster policy and said that troops should be pulled out of the province [*thereby giving a free hand to the IRA terrorists and preventing the Good Friday peace agreement, which in 1999 occurred only after the terrorists had been disarmed*].

"He told a meeting of the Wolfe Tone Society: 'I'm happy to commemorate all those [terrorists] who died fighting for an independent Ireland'."

**R** *THE Dear Leader tells us he's no pacifist. Of course he's not. He supported the IRA, didn't he?*

*Corbyn joined a picket outside the Old Bailey in 1986 to oppose what fellow protesters denounced as the "show trial" of a group including Patrick Magee, later found guilty of murdering five people in the Brighton bombing.*

*In 1993 the man who would be our next PM stood for a minute's silence at a Republican meeting to honour eight IRA gunmen shot dead during an attack on a County Armagh police station.*

*Beyond parody, isn't it?*

20 May 2017 *Daily Express* page 19: Richard Madeley on Jeremy Corbyn terrorism support actions while a backbench MP.

FURTHER READING TO HELP YOU MAKE UP YOUR OWN MIND WHETHER JEREMY CORBYN'S MILITANT TERRORIST-APPEASING MARXIST MINDSET WILL END TERRORISM OR AID IT:

<http://www.independent.co.uk/news/uk/politics/jeremy-corbyn-criticised-by-victims-families-after-failing-to-condemn-the-ira-10442683.html>:

News UK UK Politics

Jeremy Corbyn is criticised by victims' families after failing to condemn the IRA

The sister of one IRA victim said Corbyn's refusal amounted to an "insult to all our dead loved ones"

Siobhan Fenton @siobhanfenton Thursday 6 August 2015 11:00 BST 0 comments

<http://www.belfasttelegraph.co.uk/news/politics/labour-leader-frontrunner-jeremy-corbyn-who-wants-to-reunite-ireland-meets-with-sinn-fein-in-westminster-31396059.html>:

"Mr Corbyn first met with Gerry Adams in London in 1984, **well before the IRA campaign ended in 1994** [*IRA terrorism ended in 1994 due to the British Army's disarming actions against terrorists, precisely what Jeremy Corbyn had opposed to loudly during the 1980s, when he believed like Chamberlain in 1938 in dialogue with terrorists prior to disarming them and as an alternative to disarming them, rather than disarming them first and talking afterwards which was the policy that proved to be successful with the IRA in the 1990s!*]"

Briefing National Supplement Page 6

## BRIEFING AND THE BRIGHTON BOMB

Last month's editorial statement on the Brighton bomb produced an immediate — and overwhelmingly hostile — response from our readers. Phone calls, letters and articles poured in. And the National Editorial Board meeting disassociated itself from the statement. We print below a further editorial statement, a contribution from Sinn Fein, and the replies we have received.

### EDITORIAL

#### 'GIVE IRELAND PEACE AND THERE WILL BE NO WAR'

IRA Statement, 12th October 1984

On the evening before the Brighton bombing Clive Soley, ex-Labour Northern Ireland spokesperson, was speaking at a meeting of Battersea Labour Party. Much of the discussion revolved around the Republican twin strategy of 'the armalite half' and the ballot box' and reports that the armalite half was to be given greater prominence. Soley said that whatever happened 'we must not lose our nerve' and retreat from the political advances that have recently been achieved. In view of the big bang no more than 5 hours later the discussion was ironic — and the more so given the last Labour Briefing editorial.

For it wasn't only that those who we — unfortunately — know will lose their political nerve such as the Labour leadership (if they ever had any), but Briefing itself made a serious political misjudgement.

#### MADE A SERIOUS POLITICAL MISJUDGEMENT

The National Labour Briefing Editorial Board has subsequently condemned the November editorial and reaffirmed its support for, and solidarity with, the Irish republican movement though we may not always agree with all their tactics or policies. We believe our number one task and overwhelming priority as active members of the British labour movement is to fight for and secure an immediate and unconditional British withdrawal.

The IRA have stated in an interview in *Republican News* 18/10/84 — "we are determined never to lay down our arms until the Irish people as a nation are allowed to determine their own future." Speaking to the *Irish Times* just after the bombing Gerry Adams, Sinn Fein President, said: "It is the inevitable result of the British occupation of the Six Counties" (*Irish Times* 15/10/84). Diane Abbott, a Labour Councillor and the first Black woman to stand for the NEC, has summed it up in an interview with the *Journal Labour and Ireland* given in August — "... it's quite simple — anyone who comes from a former colony knows the troops always have to come out. There have been British troops — 'peace-keeping forces' — in Cyprus, Malaya, Kenya, all over the place, and they have all had to come out."

Only an unequivocal British withdrawal including the disarming of the RUC and UDR, will allow for peace in Ireland. Labour Briefing stands for peace, but we are not pacifists. Thatcher stands for violence and claims to be a pacifist. Striking miners and women from the mining communities are being beaten to pieces now for just trying to defend their livelihoods and communities in exactly the same way that Catholics marching for their civil rights were beaten to pieces 15 years ago. Thatcher's hypocrisy of denouncing violence while enacting it is beneath contempt.

In the same *Irish Times* interview Adams also said, "the bombing has been successful insofar as it has applied attention once again to what's happening in the six counties." It certainly appears to be the case that the British only sit up and take notice when they are bombed into it.

However, we believe that the political advances that Soley referred to in Battersea the night before the bombing, have patently not come from any increased Dublin-London accord hung around the Forum report. Certainly Soley seemed to see such attempts to combat Sinn Fein's electoral success by promoting both the SDLP and the Dublin government as the only true protectors and benefactors of the Northern Ireland nationalist community, as colluding with his attempts to win the hearts and minds of Loyalist racists. Unionist and Loyalist consent to Dublin rule was seen as the only path to Ireland's reunification. We believe the advances have, with out a shred of a doubt, come from Sinn Fein's 'ballot box' strategy and the positive response which that has found with some — too few — sections of the British labour movement. Ken Livingstone's reciprocal invitation to Gerry Adams to come and speak to Londoners in 1983 has been extended and developed by the ensuing dialogue between British and Irish republican feminists and between trade unionists on either side of the Irish sea. But the dialogue with Sinn Fein is a mere murmur compared to the roar it must become. That depends on us in the Labour Party insisting that Sinn Fein's voice, and that of all Irish Republicans, must be heard here and now. The exclusion order on Danny Morrison must be lifted and the Dublin based trade-unionists for withdrawal campaign should be flooded with invitations to speak to CLPs and trade union branches.

Tony Benn has published a Bill for British withdrawal from Northern Ireland. In its introduction, Benn argues that we need to agree the principle of withdrawal. Exactly — and to achieve this end we should be promoting discussion, debate and argument throughout the entire labour movement on the Bill itself.

As is becoming increasingly and wonderfully the case women are leading the way. National Labour Women's Conference last May called on the Labour Party to campaign against every aspect of the repression of the Irish nationalist people. The recent London Labour Women's Conference has an ex-Armagh prisoner as a guest speaker and unanimously carried a resolution calling for British withdrawal. The sooner we all follow suit the sooner will there be peace in Ireland.



John Chapman

Above: the 1984 Jeremy Corbyn politics in support of talks with terrorists before disarming the terrorists. The IRA's 1984 slogan, "Give Ireland Peace and there will be no war," is just a copy-cat of Adolf Hitler's infamous 1938 tactics, fully explained by Genevieve Tabouis in her February 1938 Penguin books special, *Blackmail or War*, where she writes on page 8: "Perhaps war does not pay, but blackmail, based on the threat of war, certainly does." This is Jeremy Corbyn's shameful legacy. Everytime politicians go face to face and "negotiate" with terrorists who are violent coercive thugs and are in effect pointing a loaded gun at peace, you simply appease them and encourage more terrorism, more war!

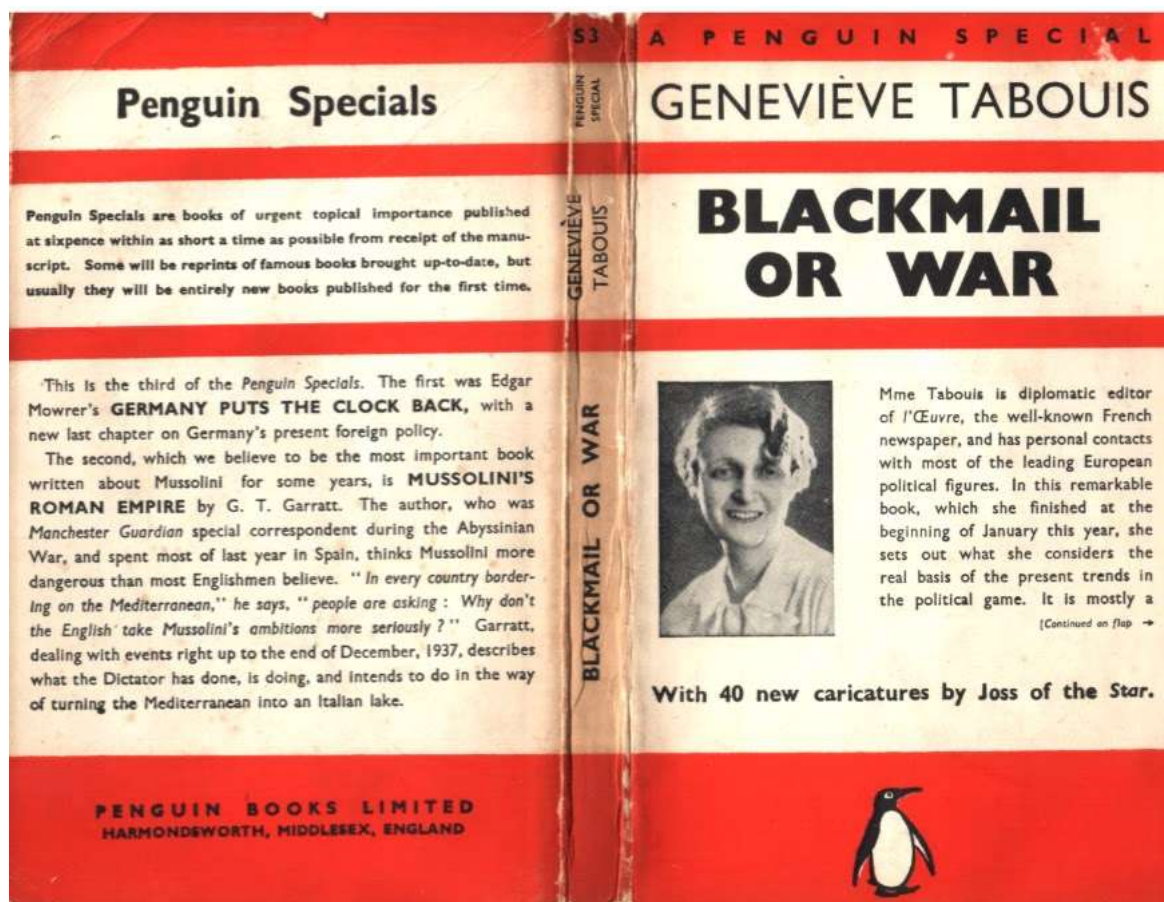
Jeremy Corbyn also showed contempt to the Jewish Chronicle by refusing the answer vital questions concerning racism.



"Just weeks after the Brighton bombing, Corbyn invited Gerry Adams, the president of Sinn Fein, and two convicted IRA terrorists to the House of Commons. ... In a disgraceful speech last Friday he stated that Britain had not fought a single just war since 1945 ... Corbyn said on Friday that he is not a pacifist. He certainly isn't. He is an apologist for terror movements and thuggist dictatorships all over the world, once describing both Hamas and Hezbollah as his "friends". [*Jeremy Corbyn tries to exonerate himself by using gibberish, Chamberlain-style weasel words to try to distance himself from the scorn of the victims of terrorists by denouncing all of the bloody murders done by the "political comrades in revolution", but he is in fact expressing hatred for capitalist integration and a love for the division of multi-cultural civil wars*] ... he nauseatingly described the death of Osama Bin Laden as "a tragedy". ... A member of CND [campaign of anti-nuclear deterrence], he prevaricates feebly ... thereby rendering the whole concept of deterrence useless."

- Leo McKinstry, Daily Express, 15 May 2017, page 12.

Update (24 May 2017):



February 1938 Penguin book by Genevieve Tabouis, *Blackmail or War*.

In February 1938, a female French journalist, Genevieve Tabouis, the diplomatic editor of French newspaper l'Oeuvre, published the third Penguin special

(S3), *Blackmail or War*; 246 page in length. The date page of my second printing shows that it was first printed in February 1938, and reprinted the same month. She warned clearly that the terrorist regime in Germany was using the threat of war to blackmail the appeasement-obsessed democracies into the defeatist policy of surrendering to racist terrorism:

"Italy had already seen during her Ethiopian adventure how prone the democracies were to yielding to blackmail of this kind. A year later, on March 7th, 1935, Germany received confirmation of it when ... she decided upon the re-militarisation of the Rhine ... Japan had set them both an example of these methods in 1932. All these victories were gained without any risk [the terrorists could have changed tactics if opposed, which didn't happen], without any fighting ... Perhaps war does not pay, but blackmail, based on the threat of war, certainly did. ... In France ... Public Opinion takes the point of view that war, which may perhaps be inevitable, would involve the utter ruin of our civilisation."

- Genevieve Tabouis, *Blackmail or War*, Penguin special S3, February 1938, pages 7-8.

Fear of terrorism was used, just as Tabouis warned in February 1938, against Chamberlain later that year when he flew to Germany three times to plead with a bigoted, racist terrorist, shaking his hand and obtaining his autograph on worthless paper "peace-deals". Tabouis also explains how terrorists use the propaganda tactics of internationalism and "uniting people" to start civil wars, just as terrorists use the same tactics now in bombing Britain and other countries to advance their agenda:

"In the name of 'racial science', which is simply imperialism in a new guise, he demanded that 100 million persons of German race and culture who are scattered throughout the world should be united ..."

- Genevieve Tabouis, *Blackmail or War*, Penguin special S3, February 1938, page 33.

This is precisely the tactic being copied today by the so-called "Islamic State" or "ISIS" terrorists when they claim to want to unite Sunni and Shia religions in a jihad against liberty and freedom. Commenting on the origins of Jeremy Corbyn's brand of extremism, Tabouis states on page 48 that support for communism, such as "the Commune of 1871 in France, can be traced to a nationalism which has been provoked beyond endurance." She notes on the same page (page 48) that fascist Mussolini turned from his communist firebrand origins into a nationalist dictator in October 1922, at roughly the same time that Hitler was trying to organise his early failed terrorist revolution.

"In France, the English have often been reproached for having welcomed fascism with the simple and short-sighted remark that every dictatorship in Europe is useful if it contributes to the maintenance of order. Such was undoubtedly Sir Austen Chamberlain's [*British Foreign Minister and the half-brother of the 1938 Nazi-appeasing ideologue Prime Minister, Neville Chamberlain*] idea when he proceeded to Rome in 1925, at a moment when Mussolini was in considerable difficulties. The British Foreign Minister took the view that the fall of Mussolini would involve Italy in a fresh bout of anarchy and internal disturbances which would form a pretext for further unrest in Europe and would, above all, be likely to harm British commercial interests.

"Sir Austen took advantage of a summer cruise in the Mediterranean to meet the Duce [Mussolini] at Leghorn. ... The following year, Sir Austen tried to do Primo de Rivera [of Spain] the same favour by going on a cruise to Barcelona. He imagined that he was acting in the interests of order and peace, whereas both in Italy and Spain, these moves were interpreted as granting a free hand to the joint ambitions of the two Latin dictators."

Prime Minister Neville Chamberlain wasn't so "naive" in the way usually described, flying to Germany to visit Hitler three times in 1938, first shaking Hitler's hand at Berchtesgaden, when a week later going to Godesberg to do the same, and finally meeting Hitler for a third time in Munich at the end of September 1938. His half-brother, Sir Austen Chamberlain, had masterminded the "let's talk to terrorists and dictators"-appeasement strategy more than a decade earlier, leading to a secure dictatorship of fascism in Italy and a Civil War in Spain. This is fact. Chamberlain wanted fascism.

The idea that Britain should have a blathering, fascist supporting Prime Minister who shakes hands with terrorists like Hitler in the name of reducing our defence budget is not a far-fetched fantasy but is a real threat, since it has happened previously.

**UPDATE (26 May 2017): Jeremy Corbyn will today exploit the Manchester terrorist attack to make a ranting speech against so-called British**



imperialism, which he blames for the suicide attacks of 9/11

We are lectured about the dangers of intolerance, yet what could be more intolerant than the barbaric, misogynist, primitive Islamist culture that has been imported into our lands? We are told to "carry on as normal", even while the authorities allow at least 3,000 known jihadists, such as the Manchester killer Salman Abedi, to live in our neighbourhoods.

Yet the politicians refuse to recognise that the Europe they have built is one where extremism deepens and integration is giving way to segregation. The politicians tell us that the terrorism will not "change our way of life". But governments across Europe are deliberately transforming the very fabric of our civilisation through their dogma about open borders. Due to the colossal influxes of foreigners, we are living through by far the biggest social revolution in Europe's history.

**IN BRITAIN**, about 600,000 newcomers have been arriving every single year for almost a decade. Christianity, the bedrock of our European heritage, is dying out. Islam is growing rapidly. As Douglas Murray writes in his new book, *The Strange Death of Europe*: "By the end of the lifespans of most people currently alive, Europe will not be Europe and the peoples of Europe will have lost the only place in the world they had to call home."

Tragically the revolution is about to accelerate if the latest official analyses are to be believed. This week a confidential European Intelligence report, which has yet to be verified, was leaked to the German newspaper *Bild*, revealing that 6.6 million migrants are now gathered in countries on the shores of the southern Mediterranean, waiting to make the journey to Europe.

There are said to be at least 2.5 million such migrants in North Africa alone, including more than a million in the failed state of Libya from where the family of Manchester bomber Salman Abedi originated.

These disturbing statistics are all too believable. As the leaked intelligence report points out, since the end of January alone, the number of people waiting to cross into Europe has risen by 600,000 – an increase of 12 per cent. Even this may be a gross underestimate of the problem.

In February an alarming study by Austrian military intelligence, an agency of the Austrian armed forces, predicted that growing unemployment and poverty in Africa mean that over the next three years there could be as many as 15 million migrants seeking to enter Europe.

Any normal, self-confident society would try to defend itself against this tidal wave.

But our politicians are so filled with self-loathing for European Christian civilisation, so contemptuous of traditional national identities, and so desperate to parade their fake compassion that they will soon preside over another migrant crisis, just as they colluded in the decision of Germany's Chancellor Angela Merkel to open the floodgates in 2015.

In the eastern Mediterranean they will probably allow the newly elected, ever more despotic Turkish president Recep Erdogan, a supporter of Islamic fundamentalism, to rip up the recent agreement that restricted the flow of migrants from his country into Europe.

Even more disastrously they will step up their ferry shuttle along the central Mediterranean route from North Africa to Italy. At present the European agencies, aided by a stream of volunteer groups, frequently pick up passengers from migrant boats a few miles off the Libyan coast. But they do not take them back to Africa. Instead, they transport them more than 300 miles to southern Italy. To describe these journeys as "rescue operations" is farcical. What they actually represent is a gigantic maritime taxi service for bogus asylum seekers.

Like the institutionalised helplessness in the face of jihadism, the Mediterranean ferry service is another symbol of Europe's suicidal self-abasement. The estimated number of migrant sailings from North Africa grew by a third in the first few months of this year compared to 2016.

**THIS** huge influx is not only unsustainable for European economies but is also a recipe for more dislocation and conflict. One chilling document captured from Islamic State in February 2015 referred to the "immense potential" of the Libyan gateway. "It has a long coast and looks upon the southern Crusader states which can be reached with ease by a rudimentary boat."

Unless resolute action is taken to secure its borders and uphold its culture, Europe in its present form will soon be lost. The late Libyan dictator Colonel Gaddafi once said that "there are signs that Allah will grant Islam victory in Europe", leading to "a Muslim continent in a few decades".

Cloaked in sentimentality, the pathetic appeasement by our rulers makes his words look prophetic.

**Leo McKinstry**  
Daily Express columnist

**DESPERATE: Migrants in tiny boats are still attempting to make the trip to Europe**

Picture: GETTY

**'Disturbing statistics are all too believable'**

Taking offense at anti British terrorism and anti British racism: Leo McKinstry in the Daily Express, 25 May 2017, page 12.

Jeremy Corbyn will today make a ranting speech attacking Britain for combatting the 9/11 terrorist network, blaming British "imperialist" military anti-terrorist actions, and effectively siding with the terrorist network which hates liberty and freedom, while trying to censor any disclosure of his own involvement in backing murders by terrorists!

The police will not arrest Jeremy Corbyn again, as they did in 1986 when he tried to prevent the prosecution of the terrorist Patrick Magee at the Old Bailey court in London. They will permit him to incite hatred and violence because he is politically powerful and has the backing of the Guardian and BBC.

**Update (26 May 2017): Jeremy Corbyn's hate speech blaming terrorism on British opponents of terrorism**

"I have spent my political life working for peace and human rights and to bring an end to conflict and devastating wars. [No, mate, you opposed the disarming of the IRA which led to peace in Northern Ireland, and you sided with the murderers, getting arrested outside the Old Bailey in 1986 when trying to stop the just prosecution of the inhumane bomber Patrick Magee!] That will almost always mean talking to people you profoundly disagree with. [No, mate, that was what Sir Austen Chamberlain did with Mussolini in 1925, what Neville Chamberlain did with Hitler three times in 1938, and what you did with the IRA in 1984 leading them to intensify their murderous bombing spree until the brave SAS disarmed them!]

That's what conflict resolution is all about. [No, mate, the peace talks come after you win the war to stop the thugs, not the other way around.] ... Democracy will prevail. We must defend our democratic process, win our arguments by discussion and debate, and stand united against those who would seek to take our rights away, or who would divide us. [No, you liar, you are not a democrat and you don't win the arguments by discussion because you REFUSED TO EVEN TAKE A SINGLE

*QUESTION after you gave this very speech! Duh! Your speech was as democratic as a Nuremberg Rally speech by Hitler, or as democratic as a pontificating rant by Fidel Castro or Joseph Stalin!]*"

- Jeremy Corbyn, hate speech favouring negotiations with terrorists, 26 May 2017.

<http://www.independent.co.uk/news/uk/politics/jeremy-corbyn-manchester-attack-terrorism-uk-foreign-policy-wars-speech-a7756266.html>:

News UK UK Politics

## Jeremy Corbyn blames terrorist attacks such as Manchester bombing on UK foreign policy

"Intelligence experts [Corbyn's CND liars presumably, and their fascist European Union friends] have linked 'wars our government has supported or fought in other countries and terrorism here at home', Labour leader claims"

**Rob Merrick** Deputy Political Editor

"**Jeremy Corbyn** has taken the hugely controversial step of blaming Britain's foreign wars for terror attacks such as the Manchester suicide bombing....

" "It is also a dereliction of duty to allow jihadis to return to this country, including it seems, Monday night's terrorist," said Ukip leader Paul Nuttall."

Update (27 May 2017):



One thing he has consistently supported is communism, addressing the 40th Annual Congress of the Communist Party of Great Britain in 1989 to attack the deterrence of terrorism as being an "obscenity" and pledging "unwavering commitment to unilateral disarmament" while standing in front of a hammer and sickle USSR flag, as reported and photographed in the communist paper, Morning Star. The 40th Annual Congress was hosted in his constituency of North Islington, a hotbed for anti-British racists and hate inciters. Corbyn supported race war, cultural war, class war and religious war as part of the USSR's "divide and rule" assault on Britain in the Cold War, and he maintains these principles.



Corbyn addressing the 40th Annual Congress of the Communist Party of Great Britain in 1989. The Communist Party has taken the unprecedented step of not fielding any Communist Party candidates against Corbyn in the 8 June 2017 general election, telling its communists to vote for Corbyn's new Marxist based Labour Party instead. All through the Cold War, communists were murdering innocent people by inciting terrorist thugs against democracy in Korea, Vietnam, Cuba, etc.



**21 May 2017 Daily Express, page 15:** Jeremy Corbyn's Former Communist Party aide's [Andrew Murray] children are trying to use a tax dodge to avoid paying society £500,000 in inheritance tax (giving the lie to Communist's claims to want to use taxation to equalise wealth): "The children of Jeremy Corbyn's ex-Communist Party aide had their mother's £1.7 million house transferred into their names [avoiding a £500,000 tax bill, if she dies more than 7 years after the transfer] ... [Andrew] Murray has spoken up in support of North Korea, Stalin and the Soviet Union."

posted by Nuclear Weapons Effects 7:23 pm  

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10 COMMENTS:

At 8:50 am,  Anonymous said...

Nigel:



You have failed to explain Jeremy Corbyn's rationale for supporting terrorists.

1. Jeremy Corbyn defines criminals and terrorists as being "victims themselves".
2. Jeremy Corbyn then "shows solidarity with victims (criminals and terrorists)."

*At 9:02 am,  nige said...*

What annoys me is that the TV "news media", e.g. the BBC, endlessly restates allegations about Trump that he is trying to avoid world war 3 by making business with RUSSIA, which has thousands of nuclear warheads, yet it refuses to probe Jeremy Corbyn's terrorist connections.

It's so biased that it's effectively supporting a racist, fascist bigot who lies about civil defence. There is a guy at Harvard University who publishes deceptive nuclear weapons effects data that was discredited on this blog years ago, and also a ranting hate attack about Richard Feynman, but he's a relatively nice guy when compared to the kind of absolutely horrible people in England who are supporting fascism today.

God help the world if he is elected Prime Minister on 8 June 2017. There have been quite a few surprise election results lately, so we really don't know what will happen in the election. If the recent so-called "Islamic State" bombings lead to some retaliation attacks on the community which supported the terrorists, then Corbyn might be elected Prime Minister by promising to win a Nobel Peace Prize, walk on water, resurrect the dead, etc.

The future is unpredictable, so I think we should be prepared for every possibility.

*At 10:30 am,  nige said...*

I also hope that the MI5 files on Jeremy Corbyn's terrorist links are fully declassified and published BEFORE voting day, so democracy can be informed as fully as possible. See the following news, published on 19 May 2017 about Corbyn, MI5, and terrorism:

<http://www.telegraph.co.uk/news/2017/05/19/exclusive-mi5-opened-file-jeremy-corbyn-amid-concerns-ira-links/>

*News*

*Exclusive: MI5 opened file on Jeremy Corbyn amid concerns over his IRA links*

*Claire Newell Hayley Dixon Luke Heighton Harry Yorke, online education editor*

*19 MAY 2017 • 9:00PM*

*MI5 opened a file on Jeremy Corbyn amid concerns over his links to the IRA, The Telegraph has discovered.*

*The Labour leader was investigated over fears that he could have been a threat to national security at a time when he was supporting convicted terrorists and campaigning for a unified Ireland.*

*The revelations come as a Telegraph investigation reveals Mr Corbyn's full links to the IRA, including his support for one of the Balcombe Street gang who waged a 14-month bombing campaign across south-east England, and his links to the bomb maker believed to have been behind the Hyde Park and Regent's Park devices.*

*Mr Corbyn also shared a platform with a wanted IRA killer and John McDonnell, his shadow Chancellor, claimed that the pair of them used to "pin people against the wall" in the House of Commons to lobby them on behalf of Ireland.*

*It was against the background of his support for the Republican cause that MI5 began looking into Mr Corbyn's activities, and a source close to the investigation confirmed that a file had been opened on him by the early Nineties.*

*The source told The Telegraph: "If there was a file on someone, it meant they had come to notice. We opened a temporary file and did a preliminary investigation. It was then decided whether we should open a permanent file on them".*

*A file would be opened on "someone who sympathises with a certain group, or is friends with a specific person" and the purpose was to "assess whether the person was a threat", the source added.*

*The Metropolitan Police Special Branch was also monitoring the future Labour leader at around the same time, but it is unclear if the intelligence was shared.*

*Peter Francis, the undercover officer turned whistle-blower, has revealed that the force secretly compiled files on Mr Corbyn and nine other MPs which detailed their political beliefs, personal background and any demonstrations that they attended.*

*He was personally asked to collect information on the Islington North MP as he infiltrated anti-racist groups in the Nineties, he said.*

*The Conservative peer Lord Tebbit said: "I think it just marks him out as what he clearly is: a hard-Left, Marxist, terrorist sympathiser. It leaves him very comfortable in the company of McDonnell, who, as we know, said that they will gain power not through Parliament but on the streets and the picket lines."*

*At 10:38 am, @nige said...*

It's worth remembering that the IRA were behind the 3,300 lb bombing of Manchester's Arndale shopping centre causing 200 casualties on 15 June 1996, long after Corbyn had been associated with IRA terrorists.

It's also worth bringing up the fact that the IRA killed two children with a bomb in Warrington, England, on 20 March 1993.

On the topic of Corbyn's switch from IRA terrorism to support for so-called Islamic bombers (calling Hamas, Hezbollah "friends" and accepting money from an Iranian TV show that is banned in the UK because it used torture tactics), it's worth remembering that 52 people were murdered by four suicide bombers in London on 7 July 2005.

I know that a lot of Corbyn's supporters don't want to think about the connection of Corbyn to terrorism, but I think the public deserves to be fully informed about what is going on.

*At 10:40 am, @nige said...*

<http://www.telegraph.co.uk/news/2017/05/21/growing-row-jeremy-corbyns-links-ira-refuses-five-times-condemn/>

News

**Growing row over Jeremy Corbyn's links to the IRA as he refuses five times to condemn the militant group**

**Kate McCann, senior political correspondent**

**21 MAY 2017 • 10:00PM**



**Jeremy Corbyn's links to the IRA were at the centre of a growing row after he repeatedly refused to condemn the actions of Republican terrorists.**

**The Labour leader was asked five times to denounce the IRA yesterday but chose instead to state his opposition to "all bombing".**

**When asked if he could unequivocally condemn the IRA, Mr Corbyn said: " No, I think what you have to say is all bombing has to be condemned."**

**It can also be revealed that Mr Corbyn was heavily involved with London Labour Briefing - a hard-left magazine which celebrated the Brighton bomb and joked about the death of Conservative MPs.**

**Evidence emerged yesterday that Mr Corbyn was involved in the magazine, which praised the bomb designed to kill Margaret Thatcher in an article that read: "The British only sit up and take notice [of Ireland] when they are bombed into it" and "What do you call four dead Tories? A start".**

**On Saturday the Daily Telegraph revealed that MI5 had opened a file on Mr Corbyn amid concern over his links to the IRA.**

**Yesterday his refusal to distance himself from the terror organisation, coupled with the revelation that he was linked to London Labour Briefing, drew criticism from veterans, rivals and Labour candidates who fear it will distract from the party's message to voters.**

**Alan Barry, the co-founder of Justice for Northern Ireland Veterans, called the Labour leader an "odious individual" while the security minister Ben Wallace, who saw service in the country, said Mr Corbyn "has spent a lifetime siding with Britain's enemies."**

*At 10:52 am,  nige said...*

What is most chilling of the news reports I linked to in this blog post is the fascist-type refusal of Corbyn's racist ideologues movement, called Momentum, to even bother to answer questions or respond to critics (if they do that in Government, we're totally done-in-for):

*<http://uk.businessinsider.com/jeremy-corbyn-paid-iran-press-tv-tortured-journalist-2016-6>*

*Jeremy Corbyn was paid by an Iranian state TV station that was complicit in the forced confession of a tortured journalist*

*Adam Payne*

*Jul. 2, 2016, 12:09 PM 65,331*

*Labour party leader Jeremy Corbyn accepted up to £20,000 (about \$27,000) for appearances on the Iranian state broadcast network Press TV — a channel that was banned in the UK for its part in filming the detention and torture of an Iranian journalist.*

*Corbyn was paid for appearances on Press TV five times between 2009 and 2012, according to his register of interests, available at this online House of Commons database.*

*Corbyn's final Press TV appearance was six months after the network had its broadcasting license revoked by Ofcom for airing a forced confession by Newsweek journalist Maziar Bahari. Ofcom is the government's TV regulatory body which sets rules for UK broadcasters. Bahari told Business Insider that while he was detained by Iranian authorities he was tortured and threatened with execution before he agreed to read out a pre-agreed script on Iranian television, filmed by Press TV.*

*A spokesperson for Corbyn told Business Insider, "We don't comment on historical matters." [EMPHASIS ADDED!]*

*... During the period between the year of Corbyn's first appearance and his last, for example, Iran hanged at least 1,314 people, according to Amnesty International. It is a place where the rights of women, LGBT people, and religious and ethnic minorities are harshly curtailed. In 2011, the year of Corbyn's third appearance, three Iranian men were executed for homosexuality. An Amnesty International report released last year said that Sunni Muslims and Kurdish political prisoners have been executed for bringing "corruption" to the world.*

NC: Well at least we know what "human rights", "peace", "liberalism", "compassion", and "freedom" mean in Corbyn's Orwellian Doublethink Dictionary. When he - and all his pseudo-liberal friends in Brussels, the lawyers of the East Coast of the USA, and also in the terrorist-backing enclaves of his fan base - claim to be supporting human rights, peace, liberalism etc., they're up to the same propaganda tricks as the USSR gulag torture system. What they mean by "peace" is war. What they mean by "liberalism" is torture. What they mean by "human rights" is hatred towards the innocent. What they mean by "compassion" is standing shoulder to shoulder with a terrorist who has murdered innocent human beings.

*At 2:02 pm,  nige said...*

Note by author of this blog post: I just want to respond to some rants I've heard from some of my "friends" who claim that Jeremy Corbyn and CND are bona fide "people of principle".

What "principle"? The principle of bombing innocent people? The principle of torture? The principle of refusing to admit to making mistakes? The principle of bigotry? The principle of intolerance to justified criticisms? The principle of fascism? What bloody principle? Tell me what "principle" you are claiming Jeremy Corbyn to be a person of, for a start! Hitler was claimed to be a "man of principle" such as a "peacemaker" and a hater of Jews. That doesn't prove Jeremy Corbyn to be right. It's plainly gibberish, waffle, hogwash, lies.

Next, some friends have assumed my "politics" is the opposite of Jeremy Corbyn's. Again, what "politics"? I've repeatedly explained on this blog for years that party politics is no substitute for genuine democracy, which is (as in Ancient Greece where "democracy" originated) referendums on individual issues, not a once-every-five-years selection of a party with a collection of various "policies", some of which you agree with and some of which you don't. For the record, "borrowing you way out of debt" socialism party politics have proved failures in practice, because they have led to bankruptcy and misery every time.

*At 2:37 pm,  nige said...*

For thugs who are obsessed with petty party politics, here's something you thugs will enjoy reading: a GUARDIAN left wing (pro Corbyn) article about current Prime Minister Theresa May - who as Home Secretary in Cameron's government struggled for years against the lawyers of the European Union's fascist EUROPEAN COURT OF "HUMAN RIGHTS" to deport terrorism preacher Abu Hamza, who was incited terrorists to murder innocent people:

<https://www.theguardian.com/politics/2016/apr/25/uk-must-leave-european-convention-on-human-rights-theresa-may-eu-referendum>

*EU referendum and Brexit*

***UK must leave European convention on human rights, says Theresa May***

*Critics condemn home secretary's remarks, which put her on collision course with cabinet colleagues*

*Anushka Asthana and Rowena Mason*

*Monday 25 April 2016 19.54 BST First published on Monday 25 April 2016 12.30 BST*

*Britain should withdraw from the European convention on human rights regardless of the EU referendum result, Theresa May has said, in comments that contradict ministers within her own government.*

*The shadow justice secretary, Charles Falconer, said he was appalled by the home secretary's comments, which he described as "so ignorant, so illiberal, so misguided", while the Tory MP and former attorney general Dominic Grieve said he was disappointed by the intervention.*

*May used a speech in central London to argue that it was the convention, rather than the EU, that had caused the extradition of extremist Abu Hamza to be delayed for years and that had almost stopped the deportation of Abu Qatada.*

*"The ECHR can bind the hands of parliament, adds nothing to our prosperity, makes us less secure by preventing the deportation of dangerous foreign nationals – and does nothing to change the attitudes of governments like Russia's when it comes to human rights," she said.*

*"So regardless of the EU referendum, my view is this: if we want to reform human rights laws in this country, it isn't the EU we should leave but the ECHR and the jurisdiction of its court."*

So that's something for you to cherish, from your pseudo-liberal fascist newspaper writers. Cheers.

*At 10:22 am,  nige said...*

Meet your new Dr Goebbels propaganda minister if Marx is elected come 8 June 2017:

<http://www.telegraph.co.uk/news/politics/labour/11951587/Seumas-Milne-will-finish-Labour-off.html>

*Seumas Milne will finish Labour off*

*Milne is an apologist for terror, and wrong on almost everything*

*Seumas Milne is Jeremy Corbyn's new communications chief*

*By Kate Godfrey*

*6:09PM BST 23 Oct 2015*

*I am Labour through and through. Yet over the last couple of days, thousands of people have told me that I should leave the party. What did I do to attract such attention? What was it I did that made people so angry?*

*I wrote something. Not an article, so much as a raggedly little statement of feeling that just happened to be shared by thousands. A statement of disappointment and of anger that Jeremy Corbyn has appointed as his key adviser a one-time Stalinist called Seumas Milne. And I stand by it. I hold no brief for Milne. It kills me that Labour does. I think Milne is an apologist for terror, and will always be an apologist for terror. I think that he never met a truth he didn't dismiss as an orthodoxy and that nowhere in his far-Left polemic are actual people represented.*

*At 10:28 am,  nige said...*

<http://www.telegraph.co.uk/news/politics/11944144/Jeremy-Corbyn-appoints-top-advisor-who-once-defended-terrorism.html>

*Jeremy Corbyn appoints top advisor who once defended terrorism*

*Seumas Milne, a left-wing journalist who commissioned articles by Osama bin Laden, is the Labour leader's new communications chief*

*Seumas Milne is Jeremy Corbyn's new communications chief*

*By Kate McCann, Senior Political Correspondent*

*7:12PM BST 20 Oct 2015*

*Jeremy Corbyn has appointed a senior aide who defended terrorists and praised the "armed resistance" which killed British soldiers in Iraq.*

*Seumas Milne, who is Mr Corbyn's new Executive Director of Strategy and Communications, spoke of the so-called "resistance movement" and its success at forcing "occupation troops" out of Iraqi cities in an article in 2004.*

*He wrote: "The resistance war can of course be cruel, but the innocent deaths it has been responsible for pale next to the toll inflicted by the occupiers", adding that armed terror groups were responsible for "Iraq's real war of liberation".*

*It followed his claim that Americans "can't see why they're hated", written just two days after terrorists destroyed the Twin Towers killing almost 3,000 people.*

*The left-wing Guardian commentator is understood to have resolved talks about his contract with the party, which had been ongoing for weeks.*

*A senior Labour source said that there has been opposition to the appointment from top party bosses, amid concerns that Mr Milne will be "difficult to control".*

*A party spokesman confirmed the appointment on Tuesday, adding: "Seumas joins the Labour Leader's office on leave from the Guardian where he is a columnist and associate editor. He will take up his position on 26th October 2015".*

*The former Comment editor of the Guardian between 2001 and 2007 once gave a byline to terrorist Osama Bin Laden by reproducing text from a taped speech on the newspaper's website.*

*Osama Bin Laden was given a byline on the Guardian website by Milne Photo: AP*

*And in a post Mr Milne wrote on September 13 2001, just two days after the 9/11 terror attacks he said: "Shock, rage and grief there has been aplenty.*

*"But any glimmer of recognition of why people might have been driven to carry out such atrocities, sacrificing their own lives in the process - or why the United States is hated with such bitterness, not only in Arab and Muslim countries, but across the developing world - seems almost entirely absent.*

*"Perhaps it is too much to hope that, as rescue workers struggle to pull firefighters from the rubble, any but a small minority might make the connection between what has been visited upon them and what their government has visited upon large parts of the world."*

*He added: "If it turns out that Tuesday's attacks were the work of Osama bin Laden's supporters, the sense that the Americans are once again reaping a dragons' teeth harvest they themselves sowed will be overwhelming."*

*... In another article from 2014 titled "A real counterweight to US power is a global necessity", the left-wing columnist appeared to praise Russia's intervention in Ukraine as a check on US global power....*

*In a further post Mr Milne claimed soldier Lee Rigby's death wasn't "terrorism in the normal sense" because Mr Rigby had been a member of the armed forces.*

*He wrote: "Rigby was a British soldier who had taken part in multiple combat operations in Afghanistan. So the attack wasn't terrorism in the normal sense of an indiscriminate attack on civilians."*

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Peace through tested, proved and practical declassified countermeasures against the effects of nuclear weapons, chemical weapons and conventional weapons. Credible deterrence through simple, effective protection against invasions and collateral damage. Discussions of the facts as opposed to inaccurate, misleading lies of the "disarm or be annihilated" political dogma variety. Hiroshima and Nagasaki anti-nuclear propaganda debunked by the hard facts. Walls not wars. Walls bring people together by stopping divisive terrorists. **CONVENTIONAL WARS HAVE KILLED TENS OF MILLIONS OF PEOPLE, NUCLEAR WEAPONS CAN RAPIDLY DETER THIS REAL THREAT TO PEACE WITH MINIMAL CASUALTIES.** 'During the critical period 8-15 February [1968], the U.S. command realized [that conventional] bombing was not sufficiently effective. ... The air campaign dropped over 110,000 tons of bombs and napalm on the area around Khe Sanh during the 77-day siege ... the most heavily bombed target in the history of conventional warfare.' – W. C. Yengst, S. J. Lukasik, and M. A. Jensen, *Nuclear Weapons that went to War*, SAID report DSWA-TR-97-25, September 1998 (quoted in the 2015 book by the secret *Capabilities of Nuclear Weapons* editor, Dr Harold L. Brode, *Nuclear Weapons in the Cold War*, page 287). [British Nuclear Test Civil Defence Research](#)

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SECRETDR. PENNEY'S DRAFT BROADCAST

Recorded: 30 October 1952

18

When the planning began, a lot of thought was given to deciding which type of explosion would provide information and experience of the greatest value. Purely scientific measurements are most easily made when the weapon is placed at the top of a high tower, but there were other weighty considerations. The Civil Defence authorities in this country badly needed more data about atomic explosions and, accordingly, the test was planned to get as much novel information as possible for Civil Defence. The decision was made to explode the weapon in a ship moored near land, thus simulating an explosion in a

CHANGE 1

Field Manual No 101-31-1

### NUCLEAR WEAPONS EMPLOYMENT DOCTRINE AND PROCEDURES

**Radius of vulnerability (emergency risk criterion: 5% combat ineffective)**

Figure 54. Radii of Vulnerability.

Yield (KT)	PERSONNEL (LL) IN— (Based on Governing Effect)				
	Open	Open Foxholes	APCs	Tanks	Earth Shelter
Radii listed are distances at which a 5 percent incidence of effect occurs. HOB used is $60W^{1/3}$ meters.					
(Distances are in meters)					
0.1	700	600	600	500	300
1	1200	900	900	800	500
10	3200	1300	1300	1250	900

**Protective factor = ratio of  
area of effect in the open,  
area of effect for shelter**

**Example: for 300 kt, the protective  
factor of open foxholes is equal to  
 $(14,000)^2 / (2,100)^2 = 44$ .**

Open	Open Foxholes	APCs	Tanks	Earth Shelter
1	1.36	1.36	1.96	5.44
1	1.78	1.78	2.25	5.76
1	6.06	6.06	6.55	12.6



Yield (kt)	100	200	300	400	500	600
10	1000	1000	1000	1000	1000	1000
20	4000	1500	1450	1400	1000	1000
100	8000	1900	1800	1800	1400	1400
200	12000	2000	1900	1900	1500	1500
300	14000	2100	1950	1950	1600	1600
Protective Factor	1	7.11	7.61	8.16	16.0	32.7
	1	17.7	19.8	19.8	32.7	64.0
	1	36.0	39.9	39.9	64.0	128.0
	1	44.4	51.5	51.5	76.6	153.2

**Calculation of the injury-averting protective factors by simple open foxholes and earth shelter function of weapon yield. Most countermeasures are relatively ineffective against tactical nuclear weapons (due to the predominating neutron radiation effect at 0.1 kt yield), but are extremely effective against strategic nuclear weapons with yields of 100, 200 and 300 kt (protective factors of 44 to 153).**

**The definition of protective factor used here is the factor by which casualties numbers are reduced.**

Richard P. Feynman, 'This Unscientific Age', in *The Meaning of It All*, Penguin Books, London, 1998, pages 106-9:

'Now, I say if a man is absolutely honest and wants to protect the populace from the effects of radioactivity, which is what our scientific friends often say they are trying to do, then he should work on the biggest number, not on the smallest number, and he should try to point out that the [natural cosmic] radioactivity which is absorbed by living in the city of Denver is so much more serious [than the smaller doses from nuclear explosions] ... that all the people of Denver ought to move to lower altitudes.'

*"If a man reads or hears a criticism of anything in which he has an interest, watch ... if he shows concern with any question except 'is it true?' he thereby reveals that his own attitude is unscientific. Likewise if ... he judges an idea not on its merits but with reference to the author of it; if he criticizes it as 'heresy'; if he argues that authority must be right because it is authority ... The path of truth is paved with critical doubt, and lighted by the spirit of objective enquiry... the majority of people have resented what seems in retrospect to have been purely matter of fact ... nothing has aided the persistence of falsehood, and the evils resulting from it, more than the unwillingness of good people to admit the truth ... the tendency continues to be shocked by natural comment, and to hold certain things too 'sacred' to think about. ... How rarely does one meet anyone whose first reaction to anything is to ask: 'is it true?' Yet, unless that is a man's natural reaction, it shows that truth is not uppermost in his mind, and unless it is, true progress is unlikely."*

- Sir Basil Henry Liddell Hart, *Why Don't We Learn from History?*, PEN Books, 1944; revised edition, Allen and Unwin, 1972.

*Civil defense countermeasures, to be taken seriously by the population, require the publication of solid facts with the scientific evidence to support those facts against political propaganda to the contrary. Secrecy over the effects of nuclear weapons tests does not hinder plutonium and missile production by rogue states, but it does hinder civil defense countermeasures, by permitting lying political propaganda to go unopposed (see linked post, here).*

Terrorists successfully prey on the vulnerable. The political spreading of lies concerning threats and the alleged 'impossibility' of all countermeasures, terrorizing the population in order to 'justify' supposedly pro-peace disarmament policies in the 1920s-1930s, resulted in the secret rearmament of fascist states which were terrorizing the Jews and others, eventually leading to World War II.

Political exaggerations about nuclear weapons effects today:

(1) encourage terrorist states and other groups to secretly invest in such weapons to use either for political intimidation or for future use against countries which have no countermeasures, and

(2) falsely dismiss, in the eyes of the media and the public, cheap relatively effective countermeasures like civil defense and ABM.

Therefore, doom-mongering media lies *make us vulnerable to the proliferation threat* today in two ways, just as they led to both world wars:

**(1) Exaggerations of offensive technology and a down-playing of simple countermeasures such as trenches, encouraged belligerent states to start World War I in the false belief that modern technology implied overwhelming firepower which would terminate the war quickly on the basis of offensive preparedness: if the facts about simple trench countermeasures against shelling and machine guns during the American Civil War had been properly understood, it would have been recognised by Germany that a long war based on munitions production and logistics would be necessary, and war would have been seen to be likely to lead to German defeat against countries with larger overseas allies and colonies that could supply munitions and the other resources required to win a long war.**

**(2) Exaggerations of aerial bombardment technology after World War I led to disarmament 'supported by' false claims that it was impossible to have any defense against a perceived threat of instant annihilation from thousands of aircraft carrying gas and incendiary bombs, encouraging fascists to secretly rearm in order to successfully take advantage of the fear and vulnerability caused by this lying political disarmament propaganda.**

**Contrived dismissal of civil defense by Marxist "Cambridge Scientists Anti-War Group" bigots: (a) appeased war-mongering enemies, and (b) maximised war mortality rates. Idealism kills. Super effective, fully proof-tested, cheap civil defense makes nuclear deterrence credible to stop conventional war devastation by avoiding collateral damage, tit-for-tat retaliation and escalation.**

Historically, it has been proved that having weapons is not enough to guarantee a reasonable measure of safety from terrorism and rogue states; countermeasures are also needed, both to make any deterrent credible and to negate or at least mitigate the effects of a terrorist attack. Some people who wear seatbelts die in car crashes; some people who are taken to hospital in ambulances, even in peace-time, die. Sometimes, lifebelts and lifeboats cannot save lives at sea. This lack of a 100% success rate in saving lives doesn't disprove the value of everyday precautions or of hospitals and medicine. Hospitals don't lull motorists into a false sense of security, causing them to drive faster and cause more accidents. Like-minded 'arguments' against ABM and civil defense are similarly vacuous.

'As long as the threat from Iran persists, we will go forward with a missile system that is cost-effective and proven. If the Iranian threat is eliminated, we will have a stronger basis for security, and the driving force for missile-defense construction in Europe will be removed.'

**- President Obama, Prague Castle, Czech Republic, 4 April 2009.**

**Before 9/11, Caspar Weinberger was quizzed by skeptical critics on the BBC News program *Talking Point*, Friday, May 4, 2001: Caspar Weinberger quizzed on new US Star Wars ABM plans:**

'The [ABM] treaty was in 1972 ... The theory ... supporting the ABM treaty [which prohibits ABM, thus making nations vulnerable to terrorism] ... that it will prevent an arms race ... is perfect nonsense because we have had an arms race all the time we have had the ABM treaty, and we have seen the greatest increase in proliferation of nuclear weapons that we have ever had. ... So the ABM treaty preventing an arms race is total nonsense. ...

'You have to understand that without any defences whatever you are very vulnerable. **It is like saying we don't like chemical warfare - we don't like gas attacks - so we are going to give up and promise not to have any defences ever against them and that of course would mean then we are perfectly safe. ...**

'The Patriot was not a failure in the Gulf War - the Patriot was one of the things which defeated the Scud and in effect helped us win the Gulf War. One or two of the shots went astray but that is true of every weapon system that has ever been invented. ...

**'The fact that a missile defence system wouldn't necessarily block a suitcase bomb is certainly not an argument for not proceeding with a missile defence when a missile that hits can wipe out hundreds of thousands of lives in a second. ...**

'The **curious thing about it is that missile defence is not an offensive weapon system - missile defence cannot kill anybody. Missile defence can help preserve and protect your people and our allies, and the idea that you are somehow endangering people by having a defence strikes me almost as absurd as saying you endanger people by having a gas mask in a gas attack. ...**

‘President Bush said that we were going ahead with the defensive system but we would make sure that nobody felt we had offensive intentions because we would accompany it by a unilateral reduction of our nuclear arsenal. It seems to me to be a rather clear statement that proceeding with the missile defence system would mean fewer arms of this kind.

‘You have had your arms race all the time that the ABM treaty was in effect and now you have an enormous accumulation and increase of nuclear weapons and that was your arms race promoted by the ABM treaty. Now if you abolish the ABM treaty you are not going to get another arms race - *you have got the arms already there* - and if you accompany the missile defence construction with the unilateral reduction of our own nuclear arsenal then it seems to me you are finally getting some kind of inducement to reduce these weapons.’

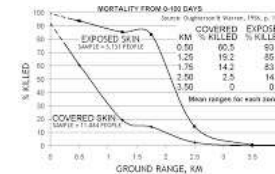
*Before the ABM system is in place, and afterwards if ABM fails to be 100% effective in an attack, or is bypassed by terrorists using a bomb in a suitcase or in a ship, civil defense is required and can be effective at saving lives:*

‘Paradoxically, the more damaging the effect, that is the farther out its lethality stretches, the more can be done about it, because in the last fall of its power it covers vast areas, where small mitigations will save very large numbers of people.’

**- Peter Laurie, *Beneath the City Streets: A Private Inquiry into the Nuclear Preoccupations of Government*, Penguin, 1974.**

‘The purpose of a book is to save people [the] time and effort of digging things out for themselves. ... we have tried to leave the reader with something tangible – what a certain number of calories, roentgens, etc., means in terms of an effect on the human being. ... we must think of the people we are writing for.’

**– Dr Samuel Glasstone, DSc, letter dated 1 February 1957 to Colonel Dent L. Lay, Chief, Weapons Effects Division, U.S. Armed Forces Special Weapons Project, Washington, D.C., pages 2 and 4, concerning the preparation of *The Effects of Nuclear Weapons*.**



Glasstone and Dolan stated in *The Effects of Nuclear Weapons* (1977), Table 12.17 on page 546, that the median distance in Hiroshima for survival after 20 days was 0.12 miles for people in concrete buildings and 1.3 miles for people standing outdoors. Therefore the median distances for survival in modern city buildings and in the open differed by a factor of 11 for Hiroshima; the difference in areas was thus a factor of  $11^2$  or about 120. Hence, taking cover in modern city buildings reduces the casualty rates and the risks of being killed by a factor of 120 for Hiroshima conditions, contrary to popular media presented political propaganda that civil defence is hopeless. This would reduce 120,000 casualties to 1,000 casualties.

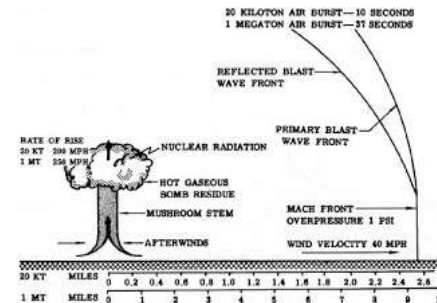
From Dr Glasstone's *Effects of Nuclear Weapons* (1962/64 ed., page 631): ‘At distances between 0.3 and 0.4 mile from ground zero in Hiroshima the average survival rate, for at least 20 days after the nuclear explosion, was less than 20 percent. Yet in two reinforced concrete office buildings, at these distances, almost 90 percent of the nearly 800 occupants survived more than 20 days, although some died later of radiation injury. Furthermore, of approximately 3,000 school students who were in the open and unshielded within a mile of ground zero at Hiroshima, about 90 percent were dead or missing after the explosion. But of nearly 5,000 students in the same zone who were shielded in one way or another, only 26 percent were fatalities. ... survival in Hiroshima was possible in buildings at such distances that the overpressure in the open was 15 to 20 pounds per square inch. ... it is evident ... that the area over which protection could be effective in saving lives is roughly eight to ten times as great as that in which the chances of survival are small.’

Lord Mayhew, House of Lords debate on Civil Defence (General Local Authority Functions) Regulations, Hansard, vol. 444, cc. 523-49, 1 November 1983: ‘... if there had been effective civil defence at Hiroshima probably thousands of lives would have been saved and much human suffering would have been avoided. There is no question about it. ...’

Since the 1977 update by **Glasstone and Dolan, extensive new updates to EM-1 for a further revised edition** of *The Effects of Nuclear Weapons* have not actually been published with unlimited public distribution, due to President Carter's 1979 executive order which transferred responsibility for civil defense from the jurisdiction of the U.S. Department of Defense's Defense Civil Preparedness Agency to the new agency (which is not an Agency of the U.S. Department of Defense, and is not concerned with the analysis of nuclear weapons test effects data), the Federal Emergency Management Agency. However, the **February 1997 U.S. Department of Defense's Defense Special Weapons Agency 0602715H RDT&E Budget Item Justification Sheet (R-2 Exhibit)** states that a revision of Glasstone and Dolan's unclassified *Effects of Nuclear Weapons* was budgeted for 1997-9:

**"FY 1997 Plans: ... Provide text to update Glasstone's book, *The Effects of Nuclear Weapons*, the standard reference for nuclear weapons effects. ... Update the unclassified textbook entitled, *The Effects of Nuclear Weapons*. ... Continue revision of Glasstone's book, *The Effects of Nuclear Weapons*, the standard reference for nuclear weapons effects. ... FY1999 Plans ... Disseminate updated *The Effects of Nuclear Weapons*."**

The new publications are either classified or unclassified with limited distribution restrictions (e.g., **Bridgman's *Introduction to the Physics of Nuclear Weapons Effects*, which includes several chapters on nuclear weapons design to enable initial radiation outputs to be calculated precisely**) which prevents up-to-date basic nuclear effects information to justify civil defense against the latest nuclear threats from being widely disseminated; the books are printed for use only by government agencies. The problem with this approach is that widespread public understanding of the best information for civil defense countermeasures is prevented.



'The evidence from Hiroshima indicates that blast survivors, both injured and uninjured, in buildings later consumed by fire [caused by the blast overturning charcoal braziers used for breakfast in inflammable wooden houses filled with easily ignitable bamboo furnishings and paper screens] were generally able to move to safe areas following the explosion. Of 130 major buildings studied by the U.S. Strategic Bombing Survey ... 107 were ultimately burned out ... Of those suffering fire, about 20 percent were burning after the first half hour. The remainder were consumed by fire spread, some as late as 15 hours after the blast. This situation is not unlike the one our computer-based fire spread model described for Detroit.'

- Defense Civil Preparedness Agency, U.S. Department of Defense, *DCPA Attack Environment Manual, Chapter 3: What the Planner Needs to Know About Fire Ignition and Spread*, report CPG 2-1A3, June 1973, Panel 27.

***The Effects of the Atomic Bomb on Hiroshima, Japan*, US Strategic Bombing Survey, Pacific Theatre, report 92, volume 2 (May 1947, secret):**

**Volume one, page 14:**

**"... the city lacked buildings with fire-protective features such as automatic fire doors and automatic sprinkler systems", and pages 26-28 state the heat flash in Hiroshima was only:**

**"... capable of starting primary fires in exposed, easily combustible materials such as dark cloth, thin paper, or dry rotted wood exposed to direct radiation at distances usually within 4,000 feet of the point of detonation (AZ)."**



**Volume two examines the firestorm and the ignition of clothing by the thermal radiation flash in Hiroshima:**

**Page 24:**

“Scores of persons throughout all sections of the city were questioned concerning the ignition of clothing by the flash from the bomb. ... Ten school boys were located during the study who had been in school yards about 6,200 feet east and 7,000 feet west, respectively, from AZ [air zero]. These boys had flash burns on the portions of their faces which had been directly exposed to rays of the bomb. The boys’ stories were consistent to the effect that their clothing, apparently of cotton materials, ‘smoked,’ but did not burst into flame. ... a boy’s coat ... started to smoulder from heat rays at 3,800 feet from AZ.” [Contrast this to the obfuscation and vagueness in Glasstone, *The Effects of Nuclear Weapons*!]

**Page 88:**

“Ignition of the City. ... Only directly exposed surfaces were flash burned. Measured from GZ, flash burns on wood poles were observed at 13,000 feet, granite was roughened or spalled by heat at 1,300 feet, and vitreous tiles on roofs were blistered at 4,000 feet. ... six persons who had been in reinforced-concrete buildings within 3,200 feet of air zero stated that black cotton blackout curtains were ignited by radiant heat ... dark clothing was scorched and, in some cases, reported to have burst into flame from flash heat [*although as the 1946 unclassified USSBS report admits, most immediately beat the flames out with their hands without sustaining injury, because the clothing was not drenched in gasoline, unlike peacetime gasoline tanker road accident victims*]

“... but a large proportion of over 1,000 persons questioned was in agreement that a great majority of the original fires was started by debris falling on kitchen charcoal fires, by industrial process fires, or by electric short circuits. Hundreds of fires were reported to have started in the centre of the city within 10 minutes after the explosion. Of the total number of buildings investigated [135 buildings are listed] 107 caught fire, and in 69 instances, the probable cause of initial ignition of the buildings or their contents was as follows: (1) 8 by direct radiated heat from the bomb (primary fire), (2) 8 by secondary sources, and (3) 53 by fire spread from exposed [wooden] buildings.”

**‘It is true that the Soviets have tested nuclear weapons of a yield higher than that which we thought necessary, but the 100-megaton bomb of which they spoke two years ago does not and will not change the balance of strategic power. The United States has chosen, deliberately, to concentrate on more mobile and more efficient weapons, with lower but entirely sufficient yield ...’ - President John F. Kennedy in his television broadcast to the American public, 26 July 1963.**

‘During World War II many large cities in England, Germany, and Japan were subjected to terrific attacks by high-explosive and incendiary bombs. Yet, when proper steps had been taken for the protection of the civilian population and for the restoration of services after the bombing, there was little, if any, evidence of panic. It is the purpose of this book to state the facts concerning the atomic bomb, and to make an objective, scientific analysis of these facts. It is hoped that as a result, although it may not be feasible completely to allay fear, it will at least be possible to avoid panic.’

**– Dr George Gamow (the big bang cosmologist), Dr Samuel Glasstone, DSc (Executive Editor of the book), and Professor Joseph O. Hirschfelder, *The Effects of Atomic Weapons*, Chapter 1, p. 1, Paragraph 1.3, U.S. Department of Defense, September 1950.**

‘The consequences of a multiweapon nuclear attack would certainly be grave ... Nevertheless, recovery should be possible if plans exist and are carried out to restore social order and to mitigate the economic disruption.’

**- Philip J. Dolan**, editor of *Nuclear Weapons Employment* FM 101-31 (1963), *Capabilities of Nuclear Weapons* DNA-EM-1 (1972), and *The Effects of Nuclear Weapons* (1977), Stanford Research Institute, Appendix A of the **U.S. National Council on Radiological protection (NCRP) symposium *The Control of Exposure to the Public of Ionising Radiation in the Event of Accident or Attack*, 1981.**

‘Suppose the bomb dropped on Hiroshima had been 1,000 times as powerful ... It could not have killed 1,000 times as many people, but at most the entire population of Hiroshima ... [regarding the hype about various nuclear "overkill" exaggerations] there is enough water in the oceans to drown everyone ten times.’

**- Professor Brian Martin, PhD (physics), 'The global health effects of nuclear war', *Current Affairs Bulletin*, Vol. 59, No. 7, December 1982, pp. 14-26.**

In 1996, half a century after the nuclear detonations, data on cancers from the Hiroshima and Nagasaki survivors was published by D. A. Pierce et al. of the Radiation Effects Research Foundation, RERF (*Radiation Research* vol. 146 pp. 1-27; *Science* vol. 272, pp. 632-3) for 86,572 survivors, of whom 60% had received bomb doses of over 5 mSv (or 500 millirem in old units) suffering 4,741 cancers of which only 420 were due to radiation, consisting of 85 leukemias and 335 solid cancers.

‘Today we have a population of 2,383 [radium dial painter] cases for whom we have reliable body content measurements. . . . All 64 bone sarcoma [cancer] cases occurred in the 264 cases with more than 10 Gy [1,000 rads], while no sarcomas appeared in the 2,119 radium cases with less than 10 Gy.’

**- Dr Robert Rowland, Director of the Center for Human Radiobiology, *Bone Sarcoma in Humans Induced by Radium: A Threshold Response?*, *Proceedings of the 27th Annual Meeting, European Society for Radiation Biology, Radioprotection colloquies*, Vol. 32CI (1997), pp. 331-8.**

**Zbigniew Jaworowski, 'Radiation Risk and Ethics: Health Hazards, Prevention Costs, and Radiophobia', *Physics Today*, April 2000, pp. 89-90:**

‘... it is important to note that, given the effects of a few seconds of irradiation at Hiroshima and Nagasaki in 1945, a threshold near 200 mSv may be expected for leukemia and some solid tumors. [Sources: UNSCEAR, *Sources and Effects of Ionizing Radiation*, New York, 1994; W. F. Heidenreich, et al., *Radiat. Environ. Biophys.*, vol. 36 (1999), p. 205; and B. L. Cohen, *Radiat. Res.*, vol. 149 (1998), p. 525.] For a protracted lifetime natural exposure, a threshold may be set at a level of several thousand millisieverts for malignancies, of 10 grays for radium-226 in bones, and probably about 1.5-2.0 Gy for lung cancer after x-ray and gamma irradiation. [Sources: G. Jaikrishan, et al., *Radiation Research*, vol. 152 (1999), p. S149 (for natural exposure); R. D. Evans, *Health Physics*, vol. 27 (1974), p. 497 (for radium-226); H. H. Rossi and M. Zaider, *Radiat. Environ. Biophys.*, vol. 36 (1997), p. 85 (for radiogenic lung cancer).] The hormetic effects, such as a decreased cancer incidence at low doses and increased longevity, may be used as a guide for estimating practical thresholds and for setting standards. ...

‘Though about a hundred of the million daily spontaneous DNA damages per cell remain unrepaired or misrepaired, apoptosis, differentiation, necrosis, cell cycle regulation, intercellular interactions, and the immune system remove about 99% of the altered cells. [Source: R. D. Stewart, *Radiation Research*, vol. 152 (1999), p. 101.] ...

‘[Due to the Chernobyl nuclear accident in 1986] as of 1998 (according to UNSCEAR), a total of 1,791 thyroid cancers in children had been registered. About 93% of the youngsters have a prospect of full recovery. [Source: C. R. Moir and R. L. Telander, *Seminars in Pediatric Surgery*, vol. 3 (1994), p. 182.] ... The highest average thyroid doses in children (177 mGy) were accumulated in the Gomel region of Belarus. The highest incidence of thyroid cancer (17.9 cases per 100,000 children) occurred there in 1995, which means that the rate had increased by a factor of about 25 since 1987.

‘This rate increase was probably a result of improved screening [not radiation!]. Even then, the incidence rate for occult thyroid cancers was still a thousand times lower than it was for occult thyroid cancers in nonexposed populations (in the US, for example, the rate is 13,000 per 100,000 persons, and in Finland it is 35,600 per 100,000 persons). Thus, given the prospect of improved diagnostics, there is an enormous potential for detecting yet more [fictitious] "excess" thyroid cancers. In a study in the US that was performed during the period of active screening in 1974-79, it was determined that the incidence rate of malignant and other thyroid nodules was greater by 21-fold than it had been in the pre-1974 period. [Source: Z. Jaworowski, *21st Century Science and Technology*, vol. 11 (1998), issue 1, p. 14.]’

‘Professor **Edward Lewis** used data from four independent populations exposed to radiation to demonstrate that the incidence of leukemia was linearly related to the accumulated dose of radiation. ... Outspoken scientists, including Linus Pauling, used **Lewis**’s risk estimate to inform the public about the danger of nuclear fallout by estimating the number of leukemia deaths that would be caused by the test detonations. In May of 1957 **Lewis**’s analysis of the radiation-induced human leukemia data was published as a lead article in *Science* magazine. In June he presented it before the Joint Committee on Atomic Energy of the US Congress.’ – Abstract of thesis by Jennifer



Caron, **Edward Lewis** and *Radioactive Fallout: the Impact of Caltech Biologists Over Nuclear Weapons Testing in the 1950s and 60s*, Caltech, January 2003.

Dr John F. Loutit of the Medical Research Council, Harwell, England, in 1962 wrote a book called *Irradiation of Mice and Men* (University of Chicago Press, Chicago and London), discrediting the pseudo-science from geneticist **Edward Lewis** on pages 61, and 78-79:

'... Mole [R. H. Mole, *Brit. J. Radiol.*, v32, p497, 1959] gave different groups of mice an integrated total of 1,000 r of X-rays over a period of 4 weeks. But the dose-rate - and therefore the radiation-free time between fractions - was varied from 81 r/hour intermittently to 1.3 r/hour continuously. The incidence of leukemia varied from 40 per cent (within 15 months of the start of irradiation) in the first group to 5 per cent in the last compared with 2 per cent incidence in irradiated controls. ...

'What **Lewis** did, and which I have not copied, was to include in his table another group - spontaneous incidence of leukemia (Brooklyn, N.Y.) - who are taken to have received only natural background radiation throughout life at the very low dose-rate of 0.1-0.2 rad per year: the best estimate is listed as  $2 \times 10^{-6}$  like the others in the table. But the value of  $2 \times 10^{-6}$  was not calculated from the data as for the other groups; it was merely adopted. By its adoption and multiplication with the average age in years of Brooklynners - 33.7 years and radiation dose per year of 0.1-0.2 rad - a mortality rate of 7 to 13 cases per million per year due to background radiation was deduced, or some 10-20 per cent of the observed rate of 65 cases per million per year. ...

'All these points are very much against the basic hypothesis of **Lewis** of a linear relation of dose to leukemic effect irrespective of time. Unhappily it is not possible to claim for **Lewis**'s work as others have done, "It is now possible to calculate - within narrow limits - how many deaths from leukemia will result in any population from an increase in fall-out or other source of radiation" [Leading article in *Science*, vol. 125, p. 963, 1957]. This is just wishful journalese.

'The burning questions to me are not what are the numbers of leukemia to be expected from atom bombs or radiotherapy, but what is to be expected from natural background .... Furthermore, to obtain estimates of these, I believe it is wrong to go to [1950s inaccurate, dose rate effect ignoring, data from] atom bombs, where the radiations are qualitatively different [i.e., including effects from neutrons] and, more important, the dose-rate outstandingly different.'

**Samuel Glasstone and Philip J. Dolan, *The Effects of Nuclear Weapons*, 3rd ed., 1977, pp. 611-3:**

'From the earlier studies of radiation-induced mutations, made with fruitflies [by Nobel Laureate Hermann J. Muller and other geneticists who worked on plants, who falsely hyped their insect and plant data as valid for mammals like humans during the June 1957 U.S. Congressional Hearings on fallout effects], it appeared that the number (or frequency) of mutations in a given population ... is proportional to the total dose ... More recent experiments with mice, however, have shown that these conclusions need to be revised, at least for mammals. [***Mammals are biologically closer to humans, in respect to DNA repair mechanisms, than short-lived insects whose life cycles are too small to have forced the evolutionary development of advanced DNA repair mechanisms, unlike mammals that need to survive for decades before reproducing.***] When exposed to X-rays or gamma rays, the mutation frequency in these animals has been found to be dependent on the exposure (or dose) rate ...

'**At an exposure rate of 0.009 roentgen per minute [0.54 R/hour], the total mutation frequency in female mice is indistinguishable from the spontaneous frequency.** [Emphasis added.] **There thus seems to be an exposure-rate threshold below which radiation-induced mutations are absent** ... with adult female mice ... a delay of at least seven weeks between exposure to a substantial dose of radiation, either neutrons or gamma rays, and conception causes the mutation frequency in the offspring to drop almost to zero. ... **recovery** in the female members of the population would bring about a substantial reduction in the 'load' of mutations in subsequent generations.'

George Bernard Shaw cynically explains groupthink brainwashing bias:

'We cannot help it because we are so constituted that we always believe finally what we wish to believe. The moment we want to believe something, we suddenly see all the arguments for it and become blind to the arguments against it. The moment we want to disbelieve anything we have previously believed, we suddenly discover not only that there is a mass of evidence against, but that this evidence was staring us in the face all the time.'

From the essay titled 'What is Science?' by Professor Richard P. Feynman, presented at the fifteenth annual meeting of the National Science Teachers Association, 1966 in New York City, and published in *The Physics Teacher*, vol. 7, issue 6, 1968, pp. 313-20:

'... great religions are dissipated by following form without remembering the direct content of the teaching of the great leaders. In the same way, it is possible to follow form and call it science, but that is pseudo-science. In this way, we all suffer from the kind of tyranny we have today in the many institutions that have come under the influence of pseudoscientific advisers.

'We have many studies in teaching, for example, in which people make observations, make lists, do statistics, and so on, but these do not thereby become established science, established knowledge. They are merely an imitative form of science analogous to the South Sea Islanders' airfields - radio towers, etc., made out of wood. The islanders expect a great airplane to arrive. They even build wooden airplanes of the same shape as they see in the foreigners' airfields around them, but strangely enough, their wood planes do not fly. The result of this pseudoscientific imitation is to produce experts, which many of you are. ... you teachers, who are really teaching children at the bottom of the heap, can maybe doubt the experts. As a matter of fact, I can also define science another way: Science is the belief in the ignorance of experts.'

Richard P. Feynman, 'This Unscientific Age', in *The Meaning of It All*, Penguin Books, London, 1998, pages 106-9:

'Now, I say if a man is absolutely honest and wants to protect the populace from the effects of radioactivity, which is what our scientific friends often say they are trying to do, then he should work on the biggest number, not on the smallest number, and he should try to point out that the [natural cosmic] radioactivity which is absorbed by living in the city of Denver is so much more serious [than the smaller doses from nuclear explosions] ... that all the people of Denver ought to move to lower altitudes.'

Feynman is *not* making a point about low level radiation effects, but about the politics of ignoring the massive natural background radiation dose, while provoking hysteria over much smaller measured fallout pollution radiation doses. Why is the anti-nuclear lobby so concerned about banning nuclear energy - which is not possible even in principle since most of our nuclear radiation is from the sun and from supernova debris contaminating the Earth from the explosion that created the solar system circa 4,540 million years ago - when they could cause much bigger radiation dose reductions to the population by concentrating on the bigger radiation source, natural background radiation. It is possible to shield natural background radiation by the air, e.g. by moving the population of high altitude cities to lower altitudes where there is more air between the people and outer space, or banning the use of high-altitude jet aircraft. The anti-nuclear lobby, as Feynman stated back in the 1960s, didn't crusade to reduce the bigger dose from background radiation. Instead they chose to argue against the *much smaller* doses from fallout pollution. Feynman's argument is still today falsely interpreted as a political statement, when it is actually exposing pseudo-science and countering political propaganda. It is still ignored by the media. It has been pointed out by Senator Hickenlooper on page 1060 of the May-June 1957 U.S. Congressional Hearings before the Special Subcommittee on Radiation of the Joint Committee on Atomic Energy, *The Nature of Radioactive Fallout and Its Effects on Man*:

'I presume all of us would earnestly hope that we never had to test atomic weapons ... but by the same token I presume that we want to save thousands of lives in this country every year and we could just abolish the manufacture of [road accident causing] automobiles ...'

Dihydrogen monoxide is a potentially very dangerous chemical containing hydrogen and oxygen which has caused numerous severe burns by scalding and deaths by drowning, contributes to the greenhouse effect, accelerates corrosion and rusting of many metals, and contributes to the erosion of our natural landscape: 'Dihydrogen monoxide (DHMO) is colorless, odorless, tasteless, and kills uncounted thousands of people every year. Most of these deaths are caused by accidental inhalation of DHMO, but the dangers of dihydrogen monoxide do not end there. Prolonged exposure to its solid form causes severe tissue damage. Symptoms of DHMO ingestion can include excessive sweating and urination, and possibly a bloated feeling, nausea, vomiting and body electrolyte imbalance. For those who have become dependent, DHMO withdrawal means certain death.'

From the site for the petition against dihydrogen monoxide: **'Please sign this petition and help stop This Invisible Killer. Get the government to do something now. ... Contamination Is Reaching Epidemic Proportions! Quantities of dihydrogen monoxide have been found in almost every stream, lake, and reservoir in America today. But the pollution is global, and the contaminant has even been found in Antarctic ice. DHMO has caused millions of dollars of property damage in the Midwest, and recently California.'**

**A recent example of the pseudoscientific radiation 'education' masquerading as science that Feynman (quoted above) objected to in the 1960s was published in 2009 in an article called 'The proportion of childhood leukaemia incidence in Great Britain that may be caused by natural background ionizing radiation' in *Leukemia*, vol. 23 (2009), pp. 770–776, which falsely asserts - in contradiction to the evidence that the no-threshold model is *contrary* to Hiroshima and Nagasaki data: 'Risk models based primarily on studies of the Japanese atomic bomb survivors imply that low-level exposure to ionizing radiation, including ubiquitous natural background radiation, also raises the risk of childhood leukaemia. Using two sets of recently published leukaemia risk models and estimates of natural background radiation red-bone-marrow doses received by children, about 20% of the cases of childhood leukaemia in Great Britain are predicted to be attributable to this source.' The authors of this pseudoscience which is the opposite of the facts are R. Wakeford (Dalton Nuclear Institute, University of Manchester, Manchester, UK), G. M. Kendall (Childhood Cancer Research Group, Oxford, UK), and M. P. Little (Department of Epidemiology and Public Health, Imperial College, London, UK). It is disgusting and sinful that the facts about childhood leukemia are being lied on so blatantly for non-scientific purposes, and it is to be hoped that these leukemia investigators will either correct their errors or alternatively be banned from using scientific literature to promote false dogma for deception until they mend the error of their ways and repent their sins in this matter.**

Protein P53, discovered only in 1979, is encoded by gene TP53, which occurs on human chromosome 17. P53 also occurs in other mammals including mice, rats and dogs. P53 is one of the proteins which continually repairs breaks in DNA, which easily breaks at body temperature: the DNA in each cell of the human body suffers at least two single strand breaks every second, and one double strand (i.e. complete double helix) DNA break occurs at least once every 2 hours (5% of radiation-induced DNA breaks are double strand breaks, while 0.007% of spontaneous DNA breaks at body temperature are double strand breaks)! Cancer occurs when several breaks in DNA happen to occur by chance at nearly the same time, giving several loose strand ends at once, which repair proteins like P53 then repair incorrectly, causing a mutation which can be proliferated somatically. This cannot occur when only one break occurs, because only two loose ends are produced, and P53 will reattach them correctly. But if low-LET ionising radiation levels are increased to a certain extent, causing more single strand breaks, P53 works faster and is able deal with faster breaks as they occur, so that multiple broken strand ends do not arise. This prevents DNA strands being repaired incorrectly, and prevents cancer - a result of mutation caused by faults in DNA - from arising. Too much radiation of course overloads the P53 repair mechanism, and then it cannot repair breaks as they occur, so multiple breaks begin to appear and loose ends of DNA are wrongly connected by P53, causing an increased cancer risk.

1. DNA-damaging free radicals are equivalent to a source of sparks which is always present naturally.
2. Cancer is equivalent the fire you get if the sparks are allowed to ignite the gasoline, i.e. if the free radicals are allowed to damage DNA without the damage being repaired.
3. Protein P53 is equivalent to a fire suppression system which is constantly damping out the sparks, or repairing the damaged DNA so that cancer doesn't occur.

In this way of thinking, the 'cause' of cancer will be down to a failure of a DNA repairing enzyme like protein P53 to repair the damage.

**Dr Jane Orient, 'Homeland Security for Physicians', *Journal of American Physicians and Surgeons*, vol. 11, number 3, Fall 2006, pp. 75-9:**

'In the 1960s, a group of activist physicians called Physicians for Social Responsibility (PSR) undertook to "educate the medical profession and the world about the dangers of nuclear weapons," beginning with a series of articles in the *New England Journal of Medicine*. [Note that journal was publishing information for anti-civil defense propaganda back in 1949, e.g. the article in volume 241, pp. 647-53 of *New England Journal of Medicine* which falsely suggests that civil defense in nuclear war would be hopeless because a single burned patient in 1947 with 40% body area burns required 42 oxygen tanks, 36 pints of plasma, 40 pints of whole blood, 104 pints of fluids, 4,300 m of gauze, 3 nurses and 2 doctors. First, only unclothed persons in direct line of sight without shadowing can get 40% body area burns from thermal radiation, second, duck and cover offers protection in a nuclear attack warning, and G. V. LeRoy had already published, two years earlier, in *J.A.M.A.*, volume 134, 1947, pp. 1143-8, that less than 5% of burns in Hiroshima and Nagasaki were caused by building and debris fires. In medicine it is always possible to expend vast resources on patients who are fatally injured. In a mass casualty situation, doctors should not give up just because they don't have unlimited resources; as at

**Hiroshima and Nagasaki, they would need to do their best with what they have.]** On its website, [www.psr.org](http://www.psr.org), the group boasts that it "led the campaign to end atmospheric nuclear testing." With this campaign, the linear no-threshold (LNT) theory of radiation carcinogenesis became entrenched. It enabled activists to calculate enormous numbers of potential casualties by taking a tiny risk and multiplying it by the population of the earth. As an enduring consequence, the perceived risks of radiation are far out of proportion to actual risks, causing tremendous damage to the American nuclear industry. ... Efforts to save lives were not only futile, but unethical: Any suggestion that nuclear war could be survivable increased its likelihood and was thus tantamount to warmongering, PSR spokesmen warned. ...

'For the mindset that engendered and enables this situation, which jeopardizes the existence of the United States as a nation as well as the lives of millions of its citizens, some American physicians and certain prestigious medical organizations bear a heavy responsibility.

'Ethical physicians should stand ready to help patients to the best of their ability, and not advocate sacrificing them in the name of a political agenda. **Even very basic knowledge, especially combined with simple, inexpensive advance preparations, could save countless lives.'**

**Dr Theodore B. Taylor, *Proceedings of the Second Interdisciplinary Conference on Selected Effects of a General War*, DASIAC Special Report 95, July 1969, vol. 2, DASA-2019-2, AD0696959, page 298 (also [linked here](#)):**

'I must just say that as far as I'm concerned I have had some doubts about whether we should have had a civil defense program in the past. I have no doubt whatsoever now, for this reason, that I've seen **ways in which the deterrent forces can fail to hold things off, so that no matter what our national leaders do, criminal organizations, what have you, groups of people over which we have no control whatsoever, can threaten other groups of people.'**

**This point of Taylor is the key fact on the morality. Suppose we disarm and abandon nuclear power. That won't stop fallout from a war, terrorists, or a foreign reactor blast from coming. Civil defence knowledge is needed. Even when America has ABM, it will be vulnerable to wind carried fallout. No quantity of pacifist hot air will protect people against radiation.**

Charles J. Hitch and Roland B. McKean of the RAND Corporation in their 1960 book *The Economics of Defense in the Nuclear Age*, Harvard University Press, Massachusetts, pp. 310-57:

'With each side possessing only a small striking force, a small amount of cheating would give one side dominance over the other, and the incentive to cheat and prepare a preventative attack would be strong ... With each side possessing, say, several thousand missiles, a vast amount of cheating would be necessary to give one side the ability to wipe out the other's striking capability. ... the more extensive a disarmament agreement is, the smaller the force that a violator would have to hide in order to achieve complete domination. Most obviously, "the abolition of the weapons necessary in a general or 'unlimited' war" would offer the most insuperable obstacles to an inspection plan, since the violator could gain an overwhelming advantage from the concealment of even a few weapons.'

Disarmament after World War I caused the following problem which led to World War II (reported by Winston S. Churchill in the London Daily Express newspaper of November 1, 1934):

'Germany is arming secretly, illegally and rapidly. A reign of terror exists in Germany to keep secret the feverish and terrible preparations they are making.'

British Prime Minister Thatcher's address to the United Nations General Assembly on disarmament on 23 June 1982, where she pointed out that in the years since the nuclear attacks on Hiroshima and Nagasaki, 10 million people had been killed by 140 non-nuclear conflicts:

'The fundamental risk to peace is not the existence of weapons of particular types. It is the disposition on the part of some states to impose change on others by resorting to force against other nations ... Aggressors do not start wars because an adversary has built up his own strength. They start wars because they believe they can gain more by going to war than by remaining at peace.'

J. D. Culshaw, the then Director of the U.K. Home Office Scientific Advisory Branch, stated in his article in the Scientific Advisory Branch journal *Fission Fragments*, September 1972 (issue No. 19), classified 'Restricted':

'Apart from those who don't want to know or can't be bothered, there seem to be three major schools of thought about the nature of a possible Third World War ...

\* 'The first group think of something like World War II but a little worse ...

\* '... the second of World War II but very much worse ...

\* 'and the third group think in terms of a catastrophe ...

'When the Armageddon concept is in favour, the suggestion that such problems exist leads to "way out" research on these phenomena, and it is sufficient to mention a new catastrophic threat [e.g., 10 years later this was done by Sagan with "nuclear winter" hype, which turned out to be fake because modern concrete cities can't produce firestorms like 1940s wooden-built areas of Hamburg, Dresden and Hiroshima] to stimulate research into the possibilities of it arising. The underlying appeal of this concept is that if one could show that the execution of all out nuclear, biological or chemical warfare would precipitate the end of the world, no one but a mad man would be prepared to initiate such a war. [However, as history proves, plenty of mad men end up gaining power and leading countries into wars.]'

J. K. S. Clayton, then Director of the U.K. Home Office Scientific Advisory Branch, stated in his introduction, entitled *The Challenge - Why Home Defence?*, to the 1977 Home Office Scientific Advisory Branch *Training Manual for Scientific Advisers*:

'Since 1945 we have had nine wars - in Korea, Malaysia and Vietnam, between China and India, China and Russia, India and Pakistan and between the Arabs and Israelis on three occasions. We have had confrontations between East and West over Berlin, Formosa and Cuba. There have been civil wars or rebellions in no less than eleven countries and invasions or threatened invasions of another five. Whilst it is not suggested that all these incidents could have resulted in major wars, they do indicate the aptitude of mankind to resort to a forceful solution of its problems, sometimes with success. ...'

It is estimated that Mongol invaders exterminated 35 million Chinese between 1311-40, without modern weapons. Communist Chinese killed 26.3 million dissenters between 1949 and May 1965, according to detailed data compiled by the Russians on 7 April 1969. The Soviet communist dictatorship killed 40 million dissenters, mainly owners of small farms, between 1917-59. Conventional (non-nuclear) air raids on Japan killed 600,000 during World War II. The single incendiary air raid on Tokyo on 10 March 1945 killed 140,000 people (more than the total for nuclear bombs on Hiroshima and Nagasaki combined) at much less than the \$2 billion expense of the Hiroshima and Nagasaki nuclear bombs! Non-nuclear air raids on Germany during World War II killed 593,000 civilians. The argument that the enemy will continue stocking megaton fallout weapons if we go to cleaner weapons is irrelevant for deterrence, since we're not planning to start war, just to credibly deter invasions. You should not try to lower your standards of warfare to those of your enemy to appease groupthink taboos, or you will end up like Britain's leaders in the 1930s, trying to collaborate with fascists for popular applause.

**House of Lords debate *Nuclear Weapons: Destructive Power*, published in Hansard, 14 June 1988:**

**Lord Hailsham of Saint Marylebone:** 'My Lords, if we are going into the question of lethality of weapons and seek thereby to isolate the nuclear as distinct from the so-called conventional range, is there not a danger that the public may think that Vimy, Passchendaele and Dresden were all right—sort of tea parties—and that nuclear war is something which in itself is unacceptable?'

**Lord Trefgarne:** 'My Lords, the policy of making Europe, or the rest of the world, safe for conventional war is not one that I support.'

**House of Commons debate *Civil Defence* published in Hansard, 26 October 1983:**

**Mr. Bill Walker (Tayside, North):** 'I remind the House that more people died at Stalingrad than at Hiroshima or Nagasaki. Yet people talk about fighting a conventional war in Europe as if it were acceptable. One rarely sees demonstrations by the so-called peace movement against a conventional war in Europe, but it could be nothing but ghastly and horrendous. The casualties would certainly exceed those at Stalingrad, and that cannot be acceptable to anyone who wants peace'



On 29 October 1982, Thatcher stated of the Berlin Wall: 'In every decade since the war the Soviet leaders have been reminded that their pitiless ideology only survives because it is maintained by force. But the day comes when the anger and frustration of the people is so great that force cannot contain it. Then the edifice cracks: the mortar crumbles ... one day, liberty will dawn on the other side of the wall.'

On 22 November 1990, she said: 'Today, we have a Europe ... where the threat to our security from the overwhelming conventional forces of the Warsaw Pact has been removed; where the Berlin Wall has been torn down and the Cold War is at an end. These immense changes did not come about by chance. They have been achieved by strength and resolution in defence, and by a refusal ever to be intimidated.'

**'The case for civil defence stands regardless of whether a nuclear deterrent is necessary or not. ... Even if the U.K. were not itself at war, we would be as powerless to prevent fallout from a nuclear explosion crossing the sea as was King Canute to stop the tide.'** - **U.K. Home Office leaflet, Civil Defence, 1982.**

'... peace cannot be guaranteed absolutely. Nobody can be certain, no matter what policies this or any other Government were to adopt, that the United Kingdom would never again be attacked. Also we cannot tell what form such an attack might take. Current strategic thinking suggests that if war were to break out it would start with a period of conventional hostilities of uncertain duration which might or might not escalate to nuclear conflict. ... while nuclear weapons exist there must always be a chance, however small, that they will be used against us [like gas bombs in World War II]. ... as a consequence of war between other nations in which we were not involved fall out from nuclear explosions could fall on a neutral Britain. ... conventional war is not the soft option that is sometimes suggested. It is also too easily forgotten that in World War II some 50 million people died and that conventional weapons have gone on killing people ever since 1945 without respite.' - **The Minister of State, Scottish Office (Lord Gray of Contin), House of Lords debate on Civil Defence (General Local Authority Functions) Regulations, Hansard, vol. 444, cc. 523-49, 1 November 1983.**

'All of us are living in the light and warmth of a huge hydrogen bomb, 860,000 miles across and 93 million miles away, which is in a state of continuous explosion.' - Dr Isaac Asimov.

'Dr Edward Teller remarked recently that the origin of the earth was somewhat like the explosion of the atomic bomb...' - Dr Harold C. Urey, *The Planets: Their Origin and Development*, Yale University Press, New Haven, 1952, p. ix.

'But compared with a supernova a hydrogen bomb is the merest trifle. For a supernova is equal in violence to about a million million million hydrogen bombs all going off at the same time.' - Sir Fred Hoyle (1915-2001), *The Nature of the Universe*, Pelican Books, London, 1963, p. 75.

'In fact, physicists find plenty of interesting and novel physics in the environment of a nuclear explosion. Some of the physical phenomena are valuable objects of research, and promise to provide further understanding of nature.' - Dr Harold L. Brode, The RAND Corporation, 'Review of Nuclear Weapons Effects,' *Annual Review of Nuclear Science*, Volume 18, 1968, pp. 153-202.

'It seems that similarities do exist between the processes of formation of single particles from nuclear explosions and formation of the solar system from the debris of a [4 x 10<sup>28</sup> megatons of TNT equivalent, type Ia] supernova explosion. We may be able to learn much more about the origin of the earth, by further investigating the process of radioactive fallout from the nuclear weapons tests.' - **Dr Paul K. Kuroda (1917-2001)**, University of Arkansas, 'Radioactive Fallout in Astronomical Settings: Plutonium-244 in the Early Environment of the Solar System,' pages 83-96 of ***Radionuclides in the Environment: A Symposium Sponsored By the Division of Nuclear Chemistry and Technology At the 155th Meeting of the American Chemical Society, San Francisco, California, April 1-3, 1968***, edited by Symposium Chairman Dr Edward C. Freiling (1922-2000) of the U.S. Naval Radiological Defense Laboratory, Advances in Chemistry Series No. 93, American Chemical Society, Washington, D.C., 1970.

**Dr Paul K. Kuroda (1917-2001)** in 1956 correctly predicted the existence of water-moderated natural nuclear reactors in flooded uranium ore seams, which were discovered in 1972 by French physicist Francis Perrin in three ore deposits at Oklo in Gabon, where sixteen sites operated as natural nuclear reactors with self-sustaining nuclear fission 2,000 million years ago, each lasting several hundred thousand years, averaging 100 kW. The radioactive waste they generated remained in situ for a period of 2,000,000,000 years without escaping. They were discovered during investigations into why the U-235 content of the uranium in the ore was only 0.7171% instead of the normal 0.7202%. Some of the ore, in the middle of the natural reactors, had a U-235 isotopic abundance of just 0.440%. Kuroda's brilliant paper is

entitled, 'On the Nuclear Physical Stability of the Uranium Minerals', published in the *Journal of Chemical Physics*, vol. 25 (1956), pp. 781–782 and 1295–1296.

A type Ia supernova explosion, always yielding  $4 \times 10^{28}$  megatons of TNT equivalent, results from the critical mass effect of the collapse of a white dwarf as soon as its mass exceeds 1.4 solar masses due to matter falling in from a companion star. The degenerate electron gas in the white dwarf is then no longer able to support the pressure from the weight of gas, which collapses, thereby releasing enough gravitational potential energy as heat and pressure to cause the fusion of carbon and oxygen into heavy elements, creating massive amounts of radioactive nuclides, particularly intensely radioactive nickel-56, but half of all other nuclides (including uranium and heavier) are also produced by the **'R' (rapid) process of successive neutron captures by fusion products in supernovae explosions**. Type Ia supernovae occur typically every 400 years in the Milky Way galaxy. On 4 July 1054, Chinese astronomers observed in the sky (without optical instruments) the bright supernova in the constellation Taurus which today is still visible as the Crab Nebula through telescopes. The Crab Nebula debris has a diameter now of 7 light years and is still expanding at 800 miles/second. The supernova debris shock wave triggers star formation when it encounters hydrogen gas in space by compressing it and seeding it with debris; bright stars are observed in the Orion Halo, the 300 light year diameter remains of a supernova. It is estimated that when the solar system was forming 4,540 million years ago, a supernova occurred around 100 light years away, and the heavy radioactive debris shock wave expanded at 1,000 miles/second. Most of the heavy elements including iron, silicon and calcium in the Earth and people are the stable end products of originally radioactive decay chains from the space burst fallout of a  $7 \times 10^{26}$  megatons thermonuclear explosion, created by fusion and successive neutron captures after the implosion of a white dwarf; a supernova explosion.

How would a  $10^{55}$  megaton hydrogen bomb explosion differ from the **big bang**? Ignorant answers biased in favour of curved spacetime (ignoring quantum gravity!) abound, such as claims that explosions can't take place in 'outer space' (disagreeing with the facts from nuclear space bursts by Russia and America in 1962, not to mention natural supernova explosions in space!) and that explosions produce sound waves in air by definition! There are indeed major differences in the nuclear reactions between the big bang and a nuclear bomb. But it is helpful to notice the solid physical fact that implosion systems suggest the mechanism of gravitation: in implosion, TNT is well-known to produce an *inward* force on a bomb core, but Newton's 3rd law says there is an equal and opposite reaction force *outward*. In fact, you can't have a radially outward force without an inward reaction force! It's the rocket principle. The rocket accelerates (with force  $F = ma$ ) *forward* by virtue of the recoil from accelerating the exhaust gas (with force  $F = -ma$ ) in the *opposite* direction! Nothing massive accelerates without an equal and opposite reaction force. Applying this *fact* to the **measured  $6 \times 10^{-10} \text{ ms}^{-2} \sim Hc$  cosmological acceleration of matter radially outward** from observers in the universe which **was predicted accurately in 1996** and later observationally discovered in 1999 (by Perlmutter, et al.), we find an outward force  $F = ma$  and inward reaction force by the 3rd law. **The inward force allows quantitative predictions, and is mediated by gravitons, predicting gravitation in a checkable way (unlike string theory, which is just a landscape of  $10^{500}$  different perturbative theories and so can't make any falsifiable predictions about gravity)**. So it seems as if nuclear explosions do indeed provide helpful analogies to natural features of the world, and the mainstream lambda-CDM model of cosmology - with its force-fitted unobserved *ad hoc* speculative 'dark energy' - ignores and sweeps under the rug major quantum gravity effects which increase the physical understanding of particle physics, particularly force unification and the relation of gravitation to the existing electroweak SU(2) x U(1) section of the Standard Model of fundamental forces.

**Richard Lieu, Physics Department, University of Alabama, 'Lambda-CDM cosmology: how much suppression of credible evidence, and does the model really lead its competitors, using all evidence?', <http://arxiv.org/abs/0705.2462>.**

Even Einstein grasped the possibility that general relativity's lambda-CDM model is at best just a classical approximation to quantum field theory, at the end of his life when he wrote to Besso in 1954:

'I consider it quite possible that physics cannot be based on the [classical differential equation] field principle, i.e., on continuous structures. In that case, nothing remains of my entire castle in the air, [non-quantum] gravitation theory included ...'

'Science is the organized skepticism in the reliability of expert opinion.' - Professor Richard P. Feynman (quoted by Professor Lee Smolin, *The Trouble with Physics*, Houghton-Mifflin, New York, 2006, p. 307).

‘The expression of dissenting views may not seem like much of a threat to a powerful organization, yet sometimes it triggers an amazingly hostile response. The reason is that a single dissenter can puncture an illusion of unanimity. ... Among those suppressed have been the engineers who tried to point out problems with the Challenger space shuttle that caused it to blow up. More fundamentally, suppression is a denial of the open dialogue and debate that are the foundation of a free society. Even worse than the silencing of dissidents is the chilling effect such practices have on others. For every individual who speaks out, numerous others decide to play it safe and keep quiet. More serious than external censorship is the problem of self-censorship.’

— Professor Brian Martin, University of Wollongong, 'Stamping Out Dissent', Newsweek, 26 April 1993, pp. 49-50

In 1896, Sir James Mackenzie-Davidson asked Wilhelm Röntgen, who discovered X-rays in 1895: ‘What did you think?’ Röntgen replied: ‘I did not think, I investigated.’ The reason? Cathode ray expert J. J. Thomson in 1894 saw glass fluorescence far from a tube, but due to prejudice (expert opinion) he avoided investigating that X-ray evidence! ‘Science is the organized skepticism in the reliability of expert opinion.’ - Richard Feynman, in Lee Smolin, *The Trouble with Physics*, Houghton-Mifflin, 2006, p. 307.

Mathematical symbols in this blog: your computer's browser needs access to standard character symbol sets to display Greek symbols for mathematical physics. If you don't have the symbol character sets installed, the density symbol ' $\rho$ ' (*Rho*) will appear as 'r' and the ' $\pi$ ' (*Pi*) symbol will as 'p', causing confusion with the use of 'r' for radius and 'p' for momentum in formulae. This problem exists with Mozilla Firefox 3, but not with Microsoft Explorer which displays Greek symbols.

### About Me



**Name:** nige

Currently designing secure active server page (ASP) front ends for client SQL databases. In 1982 I began programming in basic, and at college learned Fortran while a physics undergraduate a decade later. Afterwards, I switched from mainstream physics and mathematical education to part-time programming student, while working in a series of jobs including four years in credit control. [www.quantumfieldtheory.org](http://www.quantumfieldtheory.org) <http://glasstone.blogspot.co.uk/2015/07/capabilities-of-nuclear-weapons.html/> <http://www.math.columbia.edu/~woit/wordpress/?p=273#comment-5322>. <http://www.math.columbia.edu/~woit/wordpress/?p=353&cpage=1#comment-8728>. <http://www.math.columbia.edu/~woit/wordpress/?p=215#comment-4082>.

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**From 1945-62, America tested 216 nuclear weapons in the atmosphere, totalling 154 megatons, with a mean yield of 713 kilotons**

**From 1949-62, Russia tested 214 nuclear weapons in the atmosphere, totalling 281 megatons, with a mean yield of 1.31 megatons**

**From 1952-8, Britain tested 21 nuclear weapons in the atmosphere, totalling 10.8 megatons, with a mean yield of 514 kilotons**

**From 1960-74, France tested 46 nuclear weapons in the atmosphere, totalling 11.4 megatons, with a mean yield of 248 kilotons**

**From 1964-80, China tested 23 nuclear weapons in the atmosphere, totalling 21.5 megatons, with a mean yield of 935 kilotons**

**In summary, from 1945-80, America, Russia, Britain, France and China tested 520 nuclear weapons in the atmosphere, totalling 478.7 megatons, with a mean yield of 921 kilotons**

Mean yield of the 5,192 nuclear warheads and bombs in the deployed Russian nuclear stockpile as of January 2009: 0.317 Mt. Total yield: 1,646 Mt.

Mean yield of the 4,552 nuclear warheads and bombs in the deployed U.S. nuclear stockpile as of January 2007: 0.257 Mt. Total yield: 1,172 Mt.

For diffraction damage where damage areas scale as the two-thirds power of explosive yield, this stockpile's area damage potential can be compared to the 20,000,000 conventional bombs of 100 kg size (2 megatons of TNT equivalent total *energy*) dropped on Germany during

World War II: (Total nuclear bomb blast diffraction damaged ground *area*)/(Total conventional blast diffraction damaged ground *area* to Germany during World War II) =  $[4,552 \times (0.257 \text{ Mt})^{2/3}] / [20,000,000 \times (0.000001 \text{ Mt})^{2/3}] = 1,840/431 = 4.3$ . Thus, although the entire U.S. stockpile has a TNT *energy* equivalent to 586 times that of the 2 megatons of conventional bombs dropped on Germany in World War II, it is only capable of causing 4.3 times as much diffraction type damage area, because *any given amount of explosive energy is far more efficient when distributed over many small explosions than in a single large explosion! Large explosions are inefficient because they cause unintended collateral damage, wasting energy off the target area and injuring or damaging unintended targets!*

In a controlled sample of 36,500 survivors, 89 people got leukemia over a 40 year period, above the number in the unexposed control group. (Data: *Radiation Research*, volume 146, 1996, pages 1-27.) Over 40 years, in 36,500 survivors monitored, there were 176 leukemia deaths which is 89 more than the control (unexposed) group got naturally. There were 4,687 other cancer deaths, but that was merely 339 above the number in the control (unexposed) group, so this is statistically a much smaller rise than the leukemia result. Natural leukemia rates, which are very low in any case, were increased by 51% in the irradiated survivors, but other cancers were merely increased by just 7%. Adding all the cancers together, the total was 4,863 cancers (virtually all natural cancer, nothing whatsoever to do with radiation), which is just 428 more than the unexposed control group. Hence, the total increase over the natural cancer rate due to bomb exposure was only 9%, spread over a period of 40 years. There was no increase whatsoever in genetic malformations.

**There should be a note here about how unnatural radioactive pollution is (not) in space: the earth's atmosphere is a radiation shield equivalent to being protected behind a layer of water 10 metres thick. This reduces the cosmic background radiation by a factor of 100 of what it would be without the earth's atmosphere. Away from the largely uninhabited poles, the Earth's magnetic field also protects us against charged cosmic radiations, which are deflected and end up spiralling around the magnetic field at high altitude, in the Van Allen trapped radiation belts. On the Moon, for example, there is no atmosphere or significant magnetic field so the natural background radiation exposure rate at solar minimum is 1 milliRoentgen per hour (about 10 microSieverts/hour) some 100 times that on the Earth (0.010 milliRoentgen per hour or about 0.10 microSieverts/hour). The Apollo astronauts visiting the Moon wore dosimeters and they received an average of 275 milliRoentgens (about 2.75 milliSieverts) of radiation (well over a year's exposure to natural background at sea level) in over just 19.5 days. It is a lot more than that during a solar flare, which is one of the concerns for astronauts to avoid (micrometeorites are another concern in a soft spacesuit).**

**The higher up you are above sea level, the less of the atmosphere there is between you and space, so the less shielding you have to protect you from the intense cosmic space radiations (emitted by thermonuclear reactors we call 'stars', as well as distant supernovae explosions). At sea level, the air above you constitutes a radiation shield of 10 tons per square metre or the equivalent of having a 10 metres thick water shield between you and outer space. As you go up a mountain or up in an aircraft, the amount of atmosphere between you and space decreases, thus radiation levels increase with altitude because there is less shielding. The normal background radiation exposure rate shoots up by a factor of 20, from 0.010 to 0.20 milliRoentgens per hour, when any airplane ascends from sea level to 36,000 feet cruising altitude. (The now obsolete British Concorde supersonic transport used to maintain radiation-monitoring equipment so that it could drop to lower-altitude flight routes if excessive cosmic radiation due to solar storms were detected.) Flight aircrew get more radiation exposure than many nuclear industry workers at nuclear power plants. Residents of the high altitude city of Denver get 100 milliRoentgens (about 1 milliSievert) more annual exposure than a resident of Washington, D.C., but the mainstream anti-radiation cranks don't campaign for the city to be shut to save kids radiation exposure, for mountain climbing to be banned, etc.!**

**1994 revised Introduction to Kearny's Nuclear War Survival Skills, by Dr Edward Teller, January 14, 1994:**

'If defense is neglected these weapons of attack become effective. They become available and desirable in the eyes of an imperialist dictator, even if his means are limited. Weapons of mass destruction could become equalizers between nations big and small, highly developed and primitive, if defense is neglected. If defense is developed and if it is made available for general prevention of war, weapons of aggression will become less desirable. Thus defense makes war itself less probable. ... One psychological defense mechanism against danger is to forget about it. This attitude is as common as it is disastrous. It may turn a limited danger into a fatal difficulty.'

Advice of Robert Watson-Watt (Chief Scientist on the World War II British Radar Project, defending Britain against enemy attacks): 'Give them the third best to go on with, the second best comes too late, the best never comes.'

From Wikipedia (a source of groupthink): 'Groupthink is a type of thought exhibited by group members who try to minimize conflict and reach consensus without critically testing, analyzing, and evaluating ideas. Individual creativity, uniqueness, and independent thinking are lost in the pursuit of group cohesiveness, as are the advantages of reasonable balance in choice and thought that might normally be obtained by making decisions as a group. During groupthink, members of the group avoid promoting viewpoints outside the comfort zone of consensus thinking. A variety of motives for this may exist such as a desire to avoid being seen as foolish, or a desire to avoid embarrassing or angering other members of the group. Groupthink may cause groups to make hasty, irrational decisions, where individual doubts are set aside, for fear of upsetting the group's balance.'

## Links

- ◆ [Google News](#)
- ◆ [Dr Carl E. Baum's EMP theory and interaction notes](#)
- ◆ [The Atomic Heritage Foundation](#)
- ◆ [Radiation Effects Research Foundation lumps data together to cover up benefits of low dose radiation in Hiroshima and Nagasaki Life Span Study!](#)
- ◆ [DTRA \(Defense Threat Reduction Agency\) Nuclear testing histories \(PDF files\)](#)
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- ◆ [Essays by 1950s American nuclear weapon effects test \(and neutron bomb design\) experts, discrediting anti-civil defence propaganda](#)
- ◆ [Neutron bomb inventor Samuel Cohen's 2006 book on the history of the neutron bomb, the most moral weapon ever invented due to its purely military deterrent capabilities, and the pseudo-scientific propaganda war he has had to endure from the enemies of deterrence](#)
- ◆ [Karl-Ludvig Grønhaug's EMP reports page with useful PDF downloads on prompt EMP and MHD-EMP measurements from nuclear tests \(Norwegian language\)](#)
- ◆ [Colonel Derek L. Duke's factual book on nuclear weapons accidents, \*Chasing Loose Nukes, as told to Fred Dungan\*](#)
- ◆ [The H-Bomb and the birth of the Universe: 'For 100 Million years after time began, the universe was dark as pitch. The clouds of hydrogen condensed into huge nuclear fireballs. That moment-when the universe first lit up-was the moment of creation that matters...'](#)
- ◆ [American \*EMP Interaction\* manual: comprehensive theory of both the EMP source mechanism and the EMP pick-up in cables and antenna by electromagnetic inductance \(30 MB PDF file\)](#)
- ◆ [British Mission to Japan, \*The Effects of the Atomic Bombs at Hiroshima and Nagasaki\*, H. M. Stationery Office, London, 1946 \(high quality 42.5 MB pdf file\).](#)
- ◆ [1950 edition \(high quality 82.7 MB PDF file\) of U.S. Department of Defense book \*The Effects of Atomic Weapons\*](#)
- ◆ [1957 edition \(high quality 90.8 MB PDF file\) of subsequently deleted sections on nuclear tests of civil defense countermeasures from U.S. Department of Defense book \*The Effects of Nuclear Weapons\*](#)
- ◆ [1957 edition \(low quality 30.6 MB PDF file\) of entire U.S. Department of Defense book \*The Effects of Nuclear Weapons\*](#)
- ◆ [1962/64 edition \(high quality 188 MB PDF file\) of major revised sections in the U.S. Department of Defense book \*The Effects of Nuclear Weapons\*](#)



- ◆ 1962/64 edition (high quality 43.8 MB PDF file) of 74 pages of subsequently deleted material dealing with thermal ignition of houses at nuclear tests and civil defense countermeasures chapter, from the U.S. Department of Defense book *The Effects of Nuclear Weapons*
- ◆ 1977 edition (single 36.8 MB PDF file) of U.S. Department of Defense book *The Effects of Nuclear Weapons*
- ◆ Bill Forstchen, "One Second After" book about EMP attack risk and its effects on USA.
- ◆ U.S. Department of Energy Opennet Documents Online (includes many Nevada and Pacific nuclear test reports as PDF files)
- ◆ Defense Technical Information Center (DTIC)'s Scientific and Technical Information Network (STINET) Service (other declassified Nevada and Pacific test reports)
- ◆ Highlights from ABM testing history
- ◆ THAAD Goes Another ABM Test
- ◆ Alex Wellerstein's Restricted Data blog contains some interesting news (but beware of his uncritical use of unobstructed dry desert and nude skin thermal radiation and other effects predictions from the 1977 edition of Glasstone and Dolan; he deletes critically objective comments and pretends that honest criticisms of propaganda as being ignorant deception are rude as an excuse for ignoring the facts and refusing to engage in objective discussion of controversial aspects of this topic; basically if you pay homage and engage in groupthink bias you may be tolerated).
- ◆ Carey Sublette's Nuclear Weapon Archive (it contains errors from Chuck Hansen's compilation, and it is concentrated on bomb building, not on civil defence countermeasure evaluations done at nuclear tests; note that Chuck Hansen's books and CDs give a false quotation from Neil O' Hines's book *Proving Ground* on the effects of the 1952 Mike explosion on nearby Engebi Island, where Hines later in the book states that the native rats in fact *survived the intense close-in blast, heat and fallout under a few unches of soil, despite the initial ignorant belief that they could not have survived!!!*)

- Quantum Field Theory
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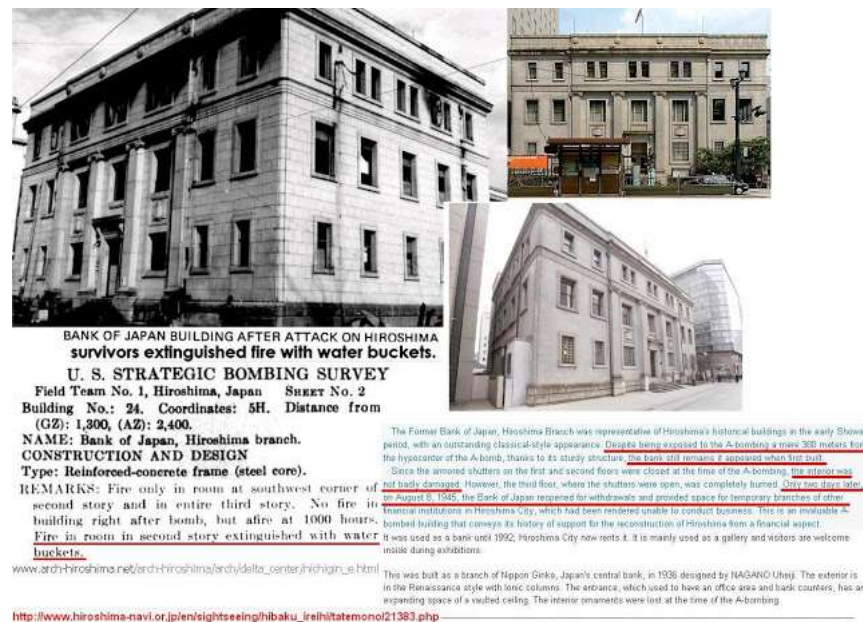
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The Bank of Japan, Hiroshima, survived 380 m from Ground Zero, within the firestorm area, when fires were extinguished by water buckets by its survivors, the majority of people in the building having survived. Secret US Strategic Bombing Survey report proves civil defense for modern concrete buildings is effective. The building was reopened as a bank on 8 August, merely two days after nuclear attack, and continued in use as a bank until 1992. It remains in Hiroshima. This beautifully designed and sturdy reinforced concrete building was designed in 1936 by Nagano Uheiji. Cook's law: "Any man called Godwin who claims it is immoral to learn the lessons from the results of Nazi racist eugenics pseudoscience and to apply those lessons to those terrible media dominating celebrity-taboo-lovers who appease, cover-up, or defend the continuation of an evil, irrational pseudoscience which is causing unnecessary suffering today, is defending injustice, inhumanity and irrational consensus evil and is not behaving as a humane,

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*objective, person. We need to ensure that the worst mistakes of the past are never repeated, if we are just, moral and caring towards our fellow human beings who do not deserve to be fed lies and dangerously complacent one-sided, biased propaganda based on a populist love of obsolete dogma, and/or a hatred of the search for objective fact, by pseudo-educationalists who prefer to live in utopia than in the real world of their fellow folk!"*